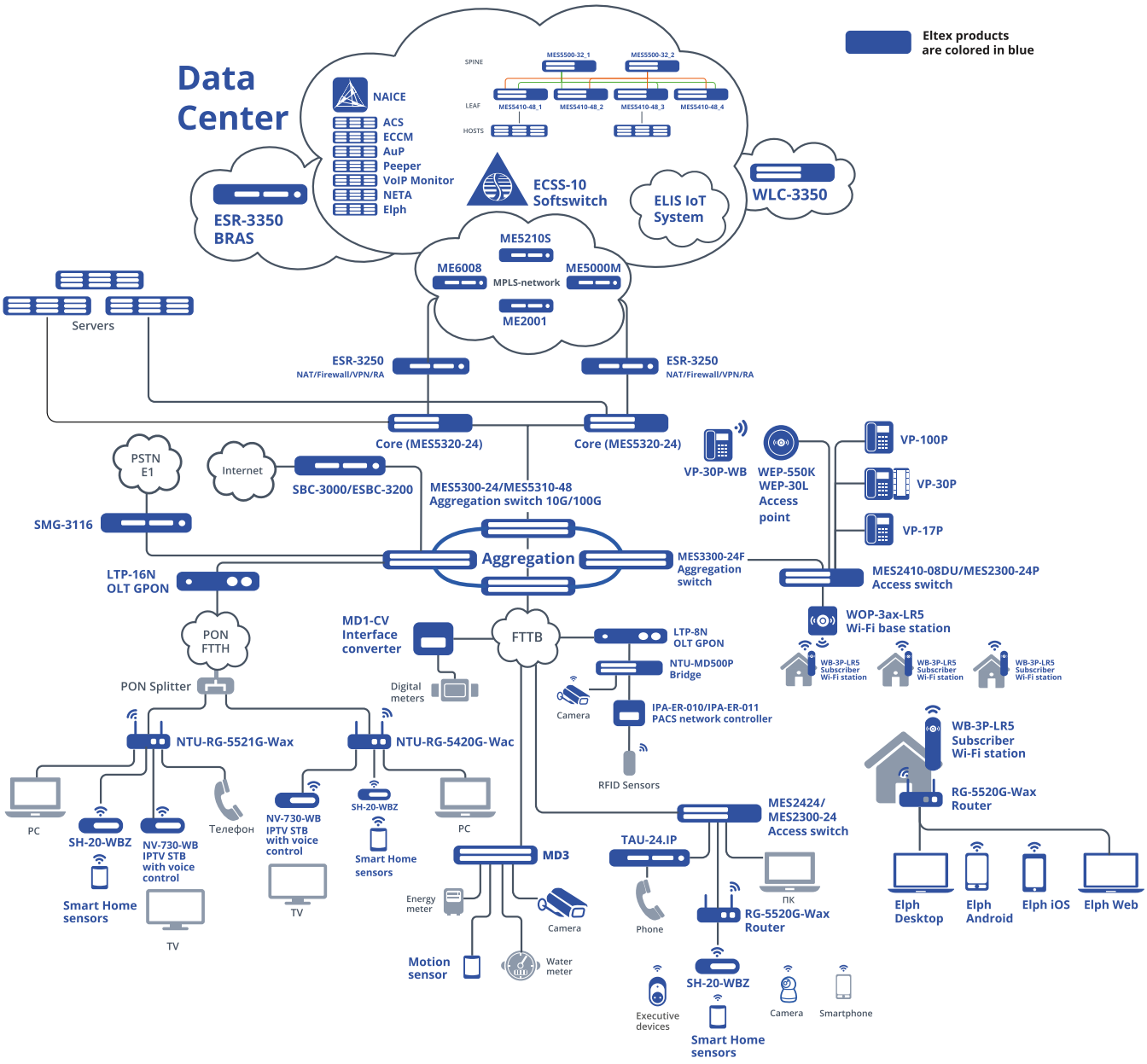
Catalog 2026

ELTEX

Eltex products

Eltex manufactures a wide range of products for comprehensive projects



Integrated solutions

A wide range of equipment allows building networks of any complexity

Own development and production

The largest production of telecom equipment in Russia

Total capacity of 10,000+ devices per day

Training of customer engineers

Eltex Academy – training courses for equipment setup and use

24/7 technical support

Flexible service and support pricing

Testing

Opportunity to test the equipment before making a purchase

Customization

Customize products for your needs

Quick delivery

Air freight for most deliveries

About company

- **More than 34 years** of experience in designing and manufacturing telecommunication equipment
- **More than 2,000** employees
- **14** software and hardware development laboratories
- **2** industrial complexes in Novosibirsk (Russia) and Almaty (Kazakhstan)
- **More than 100** partner companies in Russia, CIS, Europe, Asia and the Middle East
- **More than 20,000** client companies

1 Development

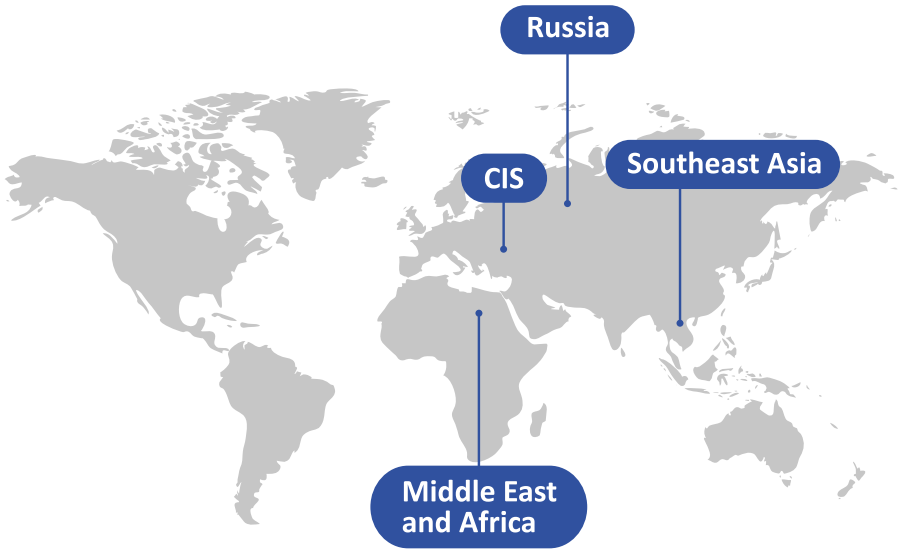
- Hardware
- Software

2 Manufacture

- Surface-mount technology
- Through-hole technology
- Assembling
- Software installation
- Testing of serial production equipment

3 Maintenance

- Technical support
- Service center
- Software updating
- Repair



14M PON OLT ports

6M Ethernet ports

8M VoIP ports

2.5M IPTV set-top boxes

1.2M TDM ports

iDtech SMART CONNECTIONS · GAZPROM · VNPT · SAT-TRAKT TELECOMMUNICATIONS · XTREAM

Rostelecom · ORION telekom · VimpelCom · SBER BANK · MCS MIDEAST COMMUNICATION SYSTEMS

PON optical line terminals (OLT)

PON solutions have the largest bandwidth capacity resource, provide the highest access speed for end users and offer unlimited services.

The OLT provides PON network interconnection with external networks, splitters branch optical signal in the PON path section, and the ONT has necessary interaction interfaces from the subscriber side.

GPON





	LTP-4X	LTP-8X	LTP-8N	LTP-16N	MA-4000PX
Form factor	19”, 1U	19”, 1U	19”, 1U	19”, 1U	19”, 9U
Crate contents					Up to 16×PLC8 modules Up to 2×PP4X modules
Performance	128 Gbps	128 Gbps	120 Gbps	120 Gbps	680 Gbps
Number of PON ports	4×GPON	8×GPON	8×GPON	16×GPON	Up to 128×GPON
Number of Uplink ports	2×10G SFP+ 4×1G Combo	2×10G SFP+ 4×1G Combo 4×1G	4×10G SFP+	8×10G SFP+	Up to 8×10G SFP+ Up to 4×1G Combo
Maximum number of ONTs	512	1024	1024	2048	8192

GPON/10GPON




	LTX-8C	LTX-16C	MA5020 Under developmnet	MA5160 Under development
Form factor	19”, 1U	19”, 1U	19”, 2U	19”, 11U
Crate contents			Up to 2×LC16 modules Up to 2×FC16L modules	Up to 16×LC16 modules Up to 2×FC64 modules
Performance	300 Gbps	300 Gbps	320 Gbps	3.2 Tbps
Number of PON ports	8×GPON/XGS-PON Combo	16×GPON/XGS-PON Combo	Up to 32×GPON/XGS-PON	Up to 256×GPON/XGS-PON
Number of Uplink ports	2×25G SFP28 2×100G QSFP28	2×25G SFP28 2×100G QSFP28	Up to 8×25G SFP28	Up to 12×100G QSFP28 Up to 8×25G SFP28
Maximum number of ONTs	1024 GPON + 2048 XGS-PON	2048 GPON + 4096 XGS-PON	4096 GPON / 8192 XGS-PON	32768 GPON / 65536 XGS-PON

10GPON


	LTX-8 rev.B	LTX-16 rev.B
Form factor	19”, 1U	19”, 1U
Performance	300 Gbps	300 Gbps
Number of PON ports	8×XGS-PON	16×XGS-PON
Number of Uplink ports	2×25G SFP28 2×100G QSFP28	2×25G SFP28 2×100G QSFP28
Maximum number of ONTs	1024 GPON/2048 XGS-PON	2048 GPON/4096 XGS-PON

PON subscriber devices (ONTs)

GPON

	NTU-MD500P On request	NTU-SFP-200	NTU-RG-5420G-Wac On request	NTU-RG-5421G-Wac On request
WAN	1×GPON	1×GPON SC/APC	1×GPON	1×GPON
LAN	4×1G PoE+	1×1G SFP	4×1G	4×1G
FXS				1
Wi-Fi			Wi-Fi 4, Wi-Fi 5	Wi-Fi 4, Wi-Fi 5
USB			1×USB 2.0	1×USB 2.0
PoE	●			

	NTU-RG-5520G-Wax rev.B	NTU-RG-5520G-Wax	NTU-RG-5521G-Wax	NTU-1L	NTU-RG-5720L Under development
WAN	1×GPON	1×GPON	1×GPON	1×GPON	1×GPON
LAN	4×1G	4×1G	4×1G	1G	4×1G
FXS			1		
Wi-Fi	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6		Wi-Fi 7
USB		1×USB 3.0	1×USB 3.0		

10GPON

	NTX-1	NTX-1F	NTX-SFP-100
WAN	1×XGS-PON	1×XGS-PON	1×XGS-PON SC/APC
LAN	1×10G, 1×1G	1×10G SFP+, 1×1G	1×10G SFP+

Turbo GEPON

	NTE-1L Under development
WAN	1×GEPON
LAN	1G

Ethernet switches

A wide model range of managed switches

Ethernet switches is a major part of the product range. Such devices are used by variety of companies, from small private companies to large plants, holding groups, and corporations.

Access

	 MES2408	 MES2408B	 MES2408C	 MES2428	 MES2428B
Interfaces	8×1G 2×1G SFP	8×1G 2×1G SFP	8×1G 2×1G Combo	24×1G 4×1G Combo	24×1G 4×1G Combo
Bandwidth	20 Gbps	20 Gbps	20 Gbps	56 Gbps	56 Gbps
Stacking	—	—	—	—	—
Power supply	AC/DC	AC	AC	AC/DC	AC
Battery connection capability		●			●

	 MES2424	 MES2424B	 MES2448 On request	 MES2448B
Interfaces	24×1G 4×10G SFP+	24×1G 4×10G SFP+	48×1G 4×10G SFP+	48×1G 4×10G SFP+
Bandwidth	128 Gbps	128 Gbps	176 Gbps	176 Gbps
Stacking	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices
Power supply	AC/DC	AC	DC	AC
Battery connection capability		●		●

	 MES2300-08	 MES2300-24	 MES2300B-24	 MES2300B-48
Interfaces	10×1G 2x1G SFP	24×1G 4×10G SFP+	24×1G 4×10G SFP+	48×1G 4×10G SFP+
Bandwidth	24 Gbps	128 Gbps	128 Gbps	176 Gbps
Stacking	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices
Power supply	AC	AC/DC	AC	AC
Battery connection capability			●	●

Ethernet switches

Access, fiber

	MES2411X	MES2424FB	MES2300-24F	MES2300B-24F
				
Interfaces	8×1G 11×10G SFP+	24×1G SFP 4×10G SFP+	20×1G SFP 4×1G Combo 4×10G SFP+	20×1G SFP 4×1G Combo 4×10G SFP+
Bandwidth	236 Gbps	128 Gbps	128 Gbps	128 Gbps
Stacking	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices
Power supply	AC	AC	DC	AC
Battery connection capability		●		●

PoE

	MES2408PL	MES2408CP	MES2408P	MES2428P
				
Interfaces	8×1G PoE/PoE+ 2×1G SFP	8×1G PoE/PoE+ 2×1G Combo	8×1G PoE/PoE+ 2×1G SFP	24×1G PoE/PoE+ 4×1G Combo
Bandwidth	20 Gbps	20 Gbps	20 Gbps	56 Gbps
Stacking	—	—	—	—
Power supply	AC	AC	AC/DC	AC/DC
PoE budget	65 W	120 W	240 W	370 W

	MES2424P	MES2448P	MES2420-48P
			
Interfaces	24×1G PoE/PoE+ 4×10G SFP+	48×1G PoE/PoE+ 4×10G SFP+	48×1G PoE/PoE+ 4×10G SFP+
Bandwidth	128 Gbps	176 Gbps	176 Gbps
Stacking	Up to 8 devices	Up to 8 devices	Up to 8 devices
Power supply	AC	1+1	1+1
PoE budget	370 W	720 W	1450 W

	MES2300-08P	MES2300-24P	MES2300D-24P	MES2300-48P
				
Interfaces	8×1G PoE/PoE+ 2×1G, 2×1G SFP	24×1G PoE/PoE+ 4×10G SFP+	24×1G PoE/PoE+ 4×10G SFP+	48×1G PoE/PoE+ 4×10G SFP+
Bandwidth	24 Gbps	128 Gbps	128 Gbps	176 Gbps
Stacking	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices
Power supply	AC	AC/DC	1+1	1+1
PoE budget	240 W	380 W	720 W	1450 W

Ethernet switches

Multi-gigabit

	MES2410-08DP	MES2410-08DU	MES2420B-24D	MES2420D-24DP	MES2310-48DP Under development	MES2310-12XU Under development
Interfaces	8×2.5G PoE/PoE+ 2×10G SFP+	8×2.5G PoE/PoE+/PoE++ 2×10G SFP+	24×2.5G 4×10G SFP+	24×2.5G PoE/PoE+ 4×10G SFP+	48×2.5G PoE/PoE+ 4×25G SFP28	12×1/2.5/5/10G PoE/PoE+/PoE++ 4×25G SFP28
Bandwidth	80 Gbps	80 Gbps	200 Gbps	200 Gbps	440 Gbps	440 Gbps
Stacking	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices
Power supply	AC	AC	AC	1+1	1+1	1+1
PoE budget	240 W	720 W		720 W	1450 W	800 W
Battery connection capability			●			

Industrial

	MES3500I-08P	MES3500I-10P	MES3710P	MES3500I-8P8F	MES3510S-08P Under development
Interfaces	8×1G PoE/PoE+ 2×1G Combo	8×1G PoE/PoE+ 4×1G SFP	8×1G PoE/PoE+ 4×1G SFP	8×1G PoE/PoE+ 8×1G SFP 2×10G SFP+	8×1G PoE/PoE+ 4×1G SFP
Bandwidth	20 Gbps	24 Gbps	24 Gbps	72 Gbps	24 Gbps
Stacking	—	—	—	—	—
Power supply	2 × DC feeders*	2 × DC feeders*	2 × DC feeders*	2 × DC feeders*	2 × DC feeders*
PoE budget	240 W	240 W	240 W	240 W	240 W

	MES2300DI-28	MES3400I-24	MES3500I-24F	MES3510DS-24F Under development
Interfaces	24×1G 4×1G Combo	24×1G 4×10G SFP+	20×1G SFP 4×1G Combo 4×10G SFP+	16×1G SFP 8×1G Combo 4×10G SFP+
Bandwidth	56 Gbps	128 Gbps	128 Gbps	128 Gbps
Stacking	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices
Power supply	1+1	1+1	1+1	1+1

Aggregation 1G

	MES3300-08F	MES3300-16F	MES3300-24	MES3300-24F	MES3300-48	MES3300-48F
Interfaces	4×1G SFP 4×1G Combo 4×10G SFP+	12×1G SFP 4×1G Combo 4×10G SFP+	24×1G 4×10G SFP+	20×1G SFP 4×1G Combo 4×10G SFP+	48×1G 4×10G SFP+	48×1G SFP 4×10G SFP+
Bandwidth	96 Gbps	112 Gbps	128 Gbps	128 Gbps	176 Gbps	176 Gbps
Stacking	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices
Power supply	1+1	1+1	1+1	1+1	1+1	1+1

* Available connection to 220 V when using DRS-270-56 power module.

	MES3400-24	MES3400-24F	MES3400-48	MES3400-48F
Interfaces	24×1G 4×10G SFP+	24×1G SFP 4×10G SFP+	48×1G 4×10G SFP+	48×1G SFP 4×10G SFP+
Bandwidth	128 Gbps	128 Gbps	176 Gbps	176 Gbps
Stacking	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices
Power supply	1+1	1+1	1+1	1+1

Core/Data center

	MES5332A	MES5300-24	MES5320-24	MES5400-24	MES5300-48
Interfaces	32×10G SFP+	24×10G SFP+ 6×100G QSFP28	24×25G SFP28 2×100G QSFP28	24×10G SFP+ 6×100G QSFP28	48×10G SFP+ 6×100G QSFP28
Bandwidth	640 Gbps	1.68 Tbps	1.6 Tbps	1.68 Tbps	2.16 Tbps
Stacking	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices
Power supply	1+1	1+1	1+1	1+1	1+1
EVPN/VXLAN	●	●	●	●	●

	MES5305-48	MES5310-48	MES5410-48	MES5500-32
Interfaces	48×10G SFP+ 6×100G QSFP28	48×10G SFP+ 6×100G QSFP28	48×25G SFP28 6×100G QSFP28	32×100G QSFP28 2×10G SFP+
Bandwidth	2.16 Tbps	2.16 Tbps	3.6 Tbps	6.4 Tbps
Stacking	Up to 8 devices	Up to 8 devices	Up to 8 devices	Up to 8 devices
Power supply	1+1	1+1	1+1	1+1
EVPN/VXLAN	●	●	●	●

400G

	MES5600-24 Under development	MES5700-32
Interfaces	24×100G QSFP28 8×400G QSFP56-DD 2×10G SFP+	32×400G QSFP56-DD 2×10G SFP+
Bandwidth	11.2 Tbps	25.6 Tbps
Stacking	Up to 8 devices	Up to 8 devices
Power supply	1+1	1+1
EVPN/VXLAN	●	●

ESR series service routers

Eltex develops solutions for various areas: information networks of providers, telecom operators, manufacturing enterprises, the banking sector, retail trade, etc. The product range includes routers with support for VPN (L2, L3), DMVPN, Firewall, IPS/IDS, MPLS. A fault-tolerant cluster with state synchronization is supported.

Eltex equipment is designed to perform a wide range of tasks related to network security.

Low-performance routers

Interfaces	 ESR-15	 ESR-15R	 ESR-15VF	 ESR-20	 ESR-200	 ESR-30	 ESR-31
1G RJ-45	4	4	8	2	4	4	8
1G Combo				2	4		
1G SFP	2	2	2				6
10G SFP+						2	2
FXS			4				
USB 2.0	2	2	2	1	1	1	1
USB 3.0				1	1	1	1
Slot for SD cards				●	●	●	●

Performance

FW/routing	1.47 Gbps 121K pps	1.17 Gbps 97.0K pps	1.17 Gbps 97.0K pps	3.77 Gbps 310K pps	1.94 Gbps 159K pps	8.00 Gbps 659K pps	7.97 Gbps 656K pps
IPsec VPN	257 Mbps 22.1K pps	257 Mbps 22.1K pps	257 Mbps 22.1K pps	499 Mbps 42.8K pps	450 Mbps 38.4K pps	862 Mbps 74.0K pps	862 Mbps 74.0K pps
Concurrent sessions	300K	300K	300K	2.940M	2.250M	3.26M	3.26M
IPsec VPN tunnels	64	64	64	256	256	256	256
FIB size	1M	1M	1M	1.4M	1.4M	1.4M	1.4M
Static routes	1K	1K	1K	11K	11K	11K	11K
BGP routes	1M	1M	1M	2.5M	2.5M	2.5M	2.5M
OSPF routes	30K	30K	30K	300K	300K	300K	300K
RIP routes	1K	1K	1K	10K	10K	10K	10K

Physical features

RAM	4 GB	4 GB	4 GB	4 GB	4 GB	4 GB	4 GB
Flash	8 GB	8 GB	8 GB	8 GB	1 GB	8 GB	8 GB
Power supply	AC	AC	AC	AC	AC	AC	1+1

ESR series service routers

Low-performance routers

Interfaces	Under development ESR-15R-4G	Under development ESR-31-4G
1G RJ-45	4	8
1G SFP	2	6
10G SFP+		2
USB 2.0	2	1
USB 3.0		1
Slot for SD cards		●
4G modem	Cat 12	Cat 12
Slots for SIM	2	2

Middle and high performance routers

Interfaces	 ESR-1700	 ESR-3150	 ESR-3200L	 ESR-3200
1G Combo	4	8		
10G SFP+	8	4	8	
25G SFP28			4	12
USB 2.0	2		1	1
USB 3.0		2		
Slot for SD cards		●	●	●
Performance				
FW/routing	39.0 Gbps 3.21M pps	21.69 Gbps 1.78M pps	24.3 Gbps 2.00M pps	47.6 Gbps 3.92M pps
IPsec VPN	12.7 Gbps 1.09M pps	3.35 Gbps 288K pps	3.59 Gbps 308K pps	6.99 Gbps 600K pps
Concurrent sessions	8.5M	8.5M	8.5M	8.5M
IPsec VPN tunnels	3200	500	500	500
FIB size	3.0M	1.7M	1.7M	1.7M
Static routes	11K	11K	11K	11K
BGP routes	5M	5M	5M	5M
OSPF routes	500K	500K	500K	500K
RIP routes	10K	10K	10K	10K
Physical features				
RAM	32 GB	32 GB	16 GB	24 GB
Flash	1 GB	256 GB	8 GB	8 GB
Power supply	1+1	1+1	1+1	1+1

ESR series service routers

Middle and high performance routers

Interfaces

ESR-3250

ESR-3300

ESR-3350

	ESR-3250	ESR-3300	ESR-3350
1G Combo	8		8
25G SFP28	4	4	4
100G QSFP28		4	
USB 3.0	2	1	2
Slot for SD cards	●	●	●

Performance

FW/routing	53.3 Gbps 4.39M pps	70.27 Gbps 5.78M pps	106 Gbps 8.77M pps
IPsec VPN	8.28 Gbps 711K pps	10.0 Gbps 859K pps	23.6 Gbps 2.03M pps
Concurrent sessions	8.5M	8.5M	8.5M
IPsec VPN tunnels	500	500	500
FIB size	1.7M	1.7M	1.7M
Static routes	11K	11K	11K
BGP routes	5M	5M	5M
OSPF routes	500K	500K	500K
RIP routes	10K	10K	10K

Physical features

RAM	32 GB	32 GB	32 GB
Flash	256 GB	8 GB	256 GB
Power supply	1+1	1+1	1+1

ME series universal routers

The ME series routers have the uniform software and management interfaces.

The ME series devices support a full range of functions – IPv4/IPv6 routing, hierarchical QoS, IP Multicast routing and L2/L3 MPLS services.

ME5000
On request

ME5000M

ME6008

Performance	up to 2.8 Tbps	up to 6.1 Tbps	up to 19.2 Tbps
Crate contents	**Management and switching modules (up to 2 pcs. per chassis)** FMC16 (1.4 Tbps) **Line modules (up to 12 pcs. per chassis)** LC18XGE: 18×10G SFP+ LC20XGE: 20×10G SFP+ LC8XLGE: 4×40G QSFP+ and 4×100G QSFP28	**Management and switching modules (up to 2 pcs. per chassis)** FMC32 (3.06 Tbps) **Line modules (up to 12 pcs. per chassis)** LC20XGE: 20×10G SFP+ LC8XLGE: 4×40G QSFP+ and 4×100G QSFP28	**Management and switching modules (up to 2 pcs. per chassis)** ME6K-RCC1 **Switching fabric modules (up to 4 pcs. per chassis)** ME6K-FC96-8 (4.8 Tbps) **Line modules (up to 8 pcs. per chassis)** ME6K-LC48XGE: 48×25G SFP28 ME6K-LC24CGE: 24×100G QSFP28
Module orientation	Vertical	Vertical	Vertical – FC96 Horizontal – LC and RCC1
Power supply	2×DC feeders	2×DC feeders	2×DC feeders
Form factor	19“, 15U eurorack modular	19“, 15U eurorack modular	19“, 15U eurorack modular

ME5100 rev.X

ME5100S

ME2001

ME5200S

ME5210S

	ME5100 rev.X	ME5100S	ME2001	ME5200S	ME5210S
Performance	200 Gbps 300 Mpps	200 Gbps 300 Mpps	300 Gbps 300 Mpps	720 Gbps 720 Mpps	920 Gbps 720 Mpps
Interfaces	16×10G SFP+ 4×10G XFP	20×10G SFP+	16×10G SFP+ 8×25G SFP28 2×100G QSFP28	32×10G SFP+ 4×100G QSFP28	32×10G SFP+ 6×100G QSFP28
Power supply	1+1	1+1	1+1	1+1	1+1
Form factor	19“, 2U	19“, 2U	19“, 1U	19“, 2U	19“, 1U

Console servers

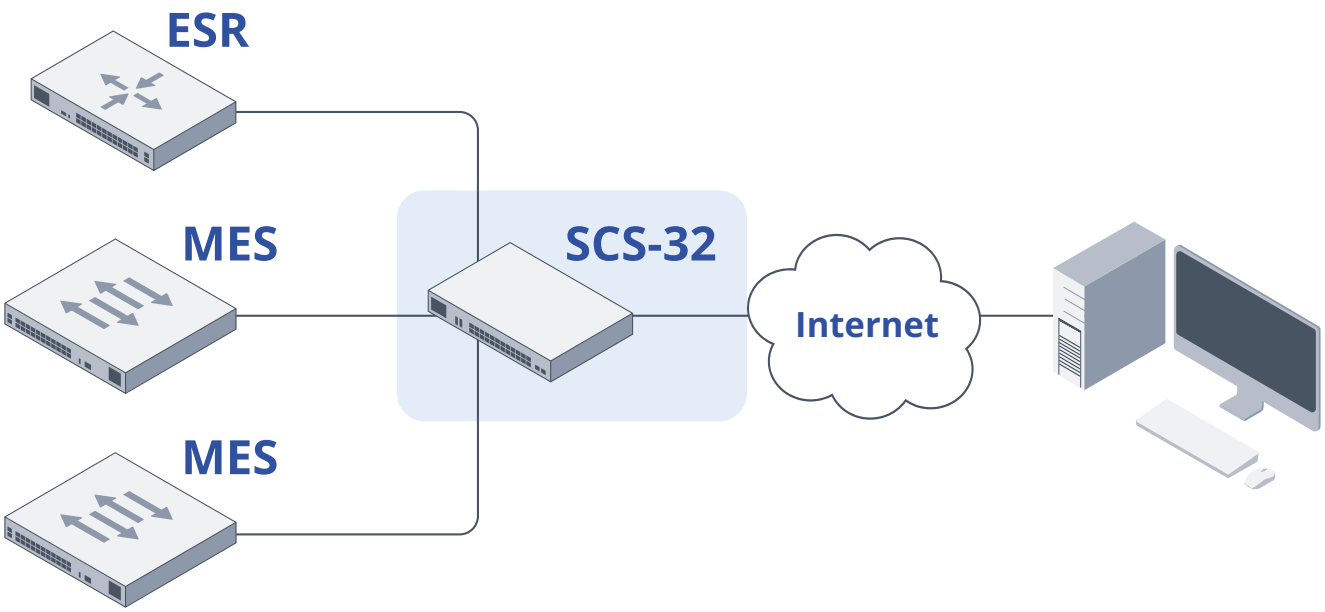
Console servers are network devices that provide secure remote access to network equipment (servers, routers, switches, etc.) for its administration. The access to the devices is via console management ports.

The SCS series console servers support Reverse SSH, sending BREAK signals to ports via client applications, and do not require the use of a rollover cable due to DCE Mode support.

	 **SCS-32** Under development
Interfaces	32×RS-232 (RJ-45) 2×1G 2×10G SFP+ 2×USB
Power supply	1+1
External module support	•
Device connection type	DCE Mode

Functional capabilities

- Remote configuration (Telnet, SSH)
- Remote connection via IPsec IKEv2
- User authentication
- Connection encryption
- Syslog
- Local and remote configuration saving
- Support for SNMPv2/v3
- Support for RIP, OSPF, static routes



L3 core architecture of carrier network

Objective

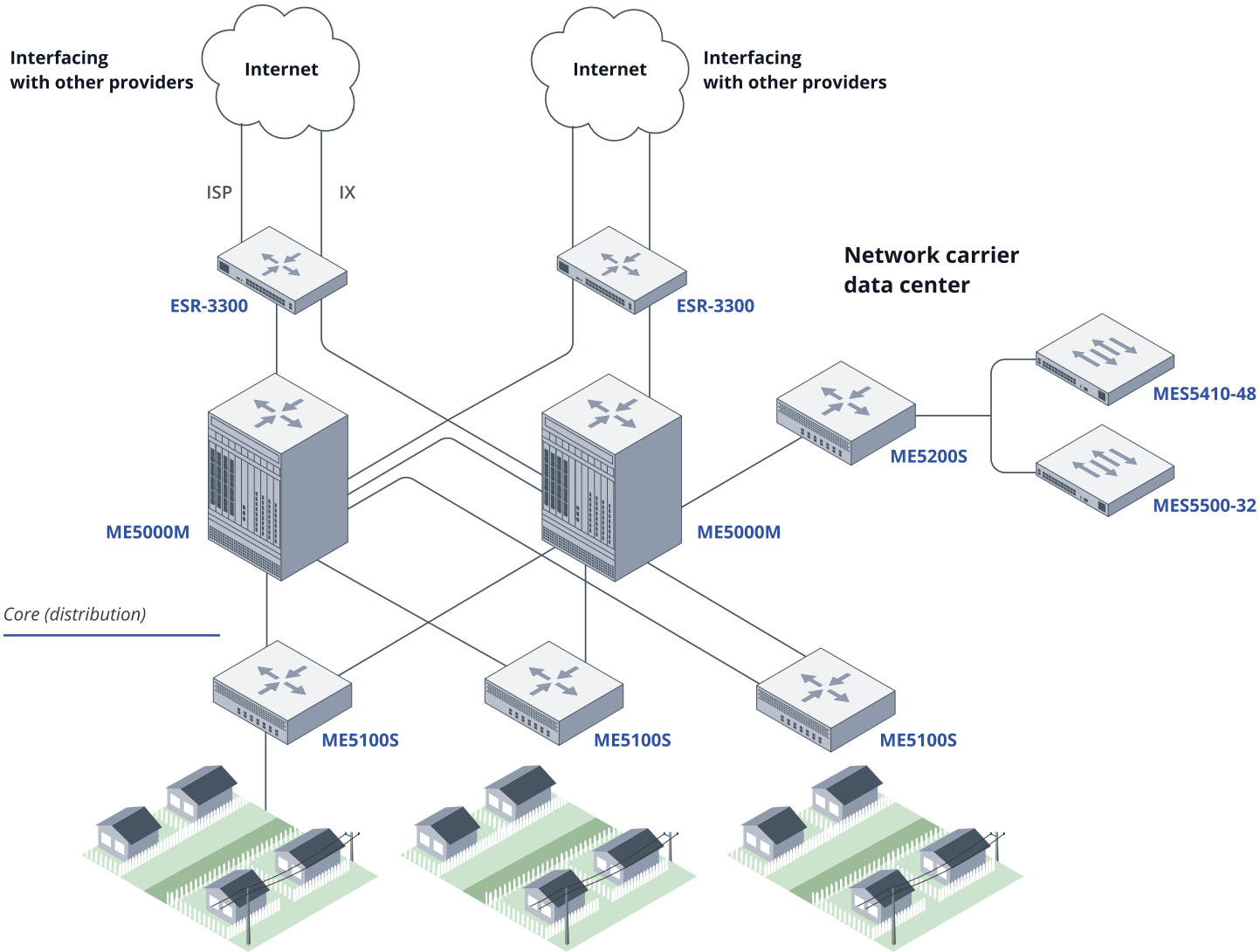
Construction of a distributed core/distribution network using MPLS protocol stack

Equipment

- ESR series high-performance service routers
- ME series routers
- MES data center switches

Benefits

- Hardware redundancy on ME5000M core devices (management modules, line cards)
- Scalability
- Fault tolerance (fast failure detection and switching to reserve)



GPON network deployment in apartment buildings

Objective

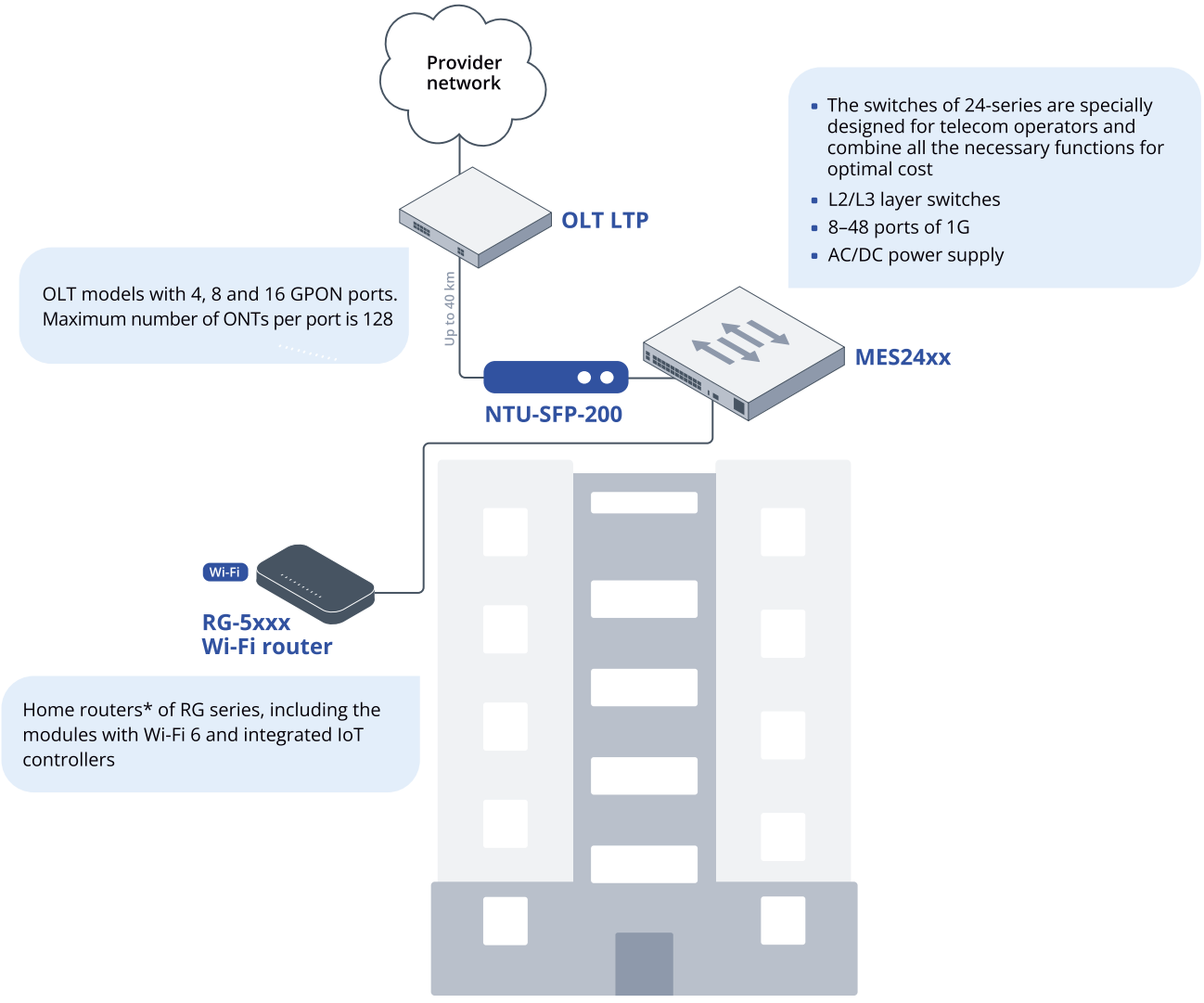
Construction of GPON networks in apartment buildings using existing subscriber equipment or subscriber devices provided by a carrier

Equipment

- Line terminals of OLT LTP-xx series
- Network terminals of ONT-NTU-xx series
- Access switches of MES24xx series

Benefits

- All GPON equipment from one manufacturer
- OLT and ONT with a wide range of capabilities
- Up to 2,048 subscribers per OLT
- Up to 40 km – section length from OLT to ONT
- TriplePlay services over optical fiber cable
- For upgrading an existing network and implementing from scratch



* Routers from other manufacturers are suitable.

GPON network deployment in detached houses

Objective

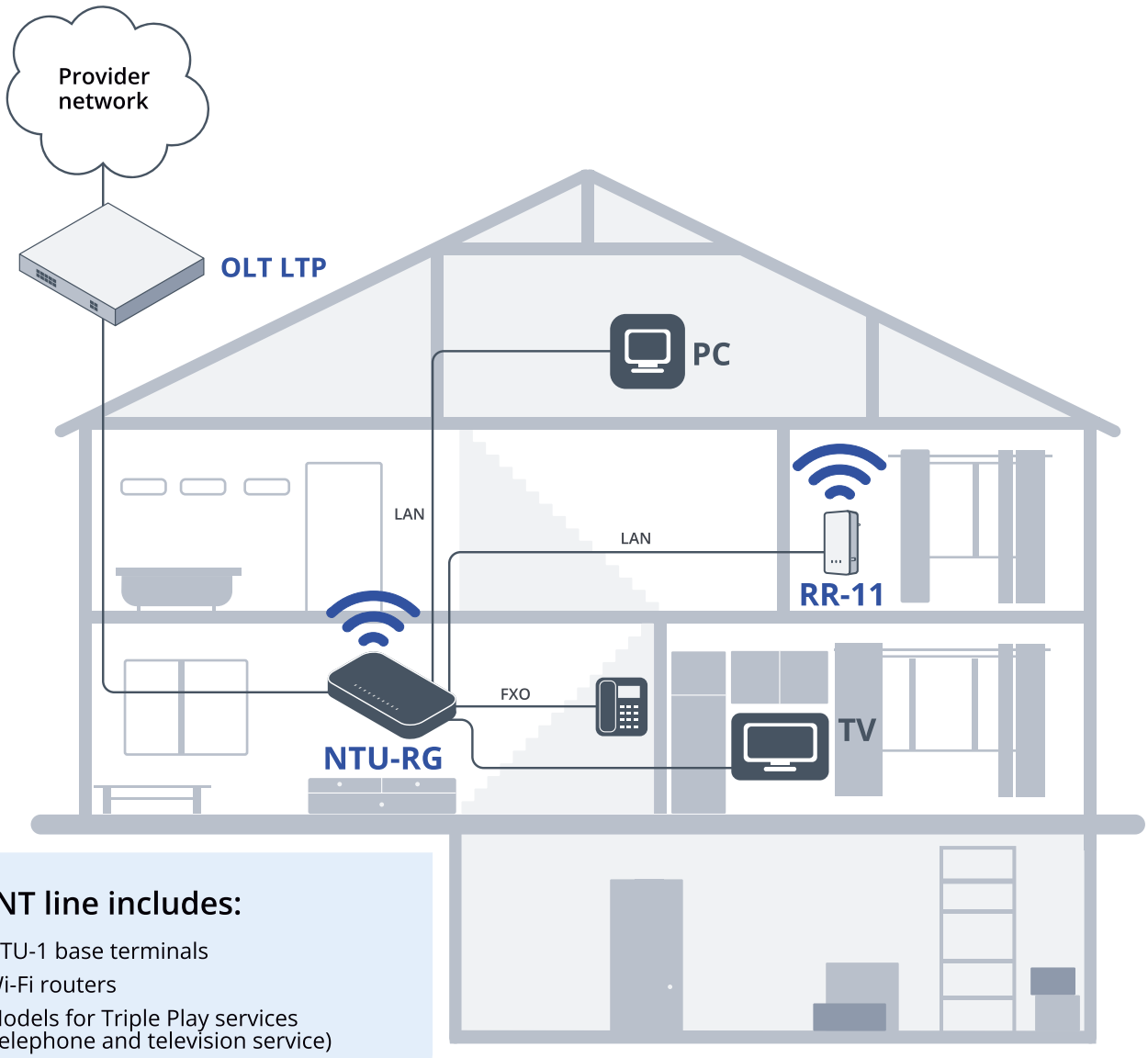
Detached house network coverage based on GPON technology

Equipment

- Line terminals of OLT LTP-xx series
- Network terminals of ONT-NTU-xx series
- WEP-30L

Benefits

- Data rate up to 2.5 Gbps downstream and up to 1.25 Gbps upstream
- Three services (Internet, telephony, television) over one communication channel
- All active equipment from one manufacturer
- Possibility of deploying networks with EasyMesh support



ONT line includes:

- NTU-1 base terminals
- Wi-Fi routers
- Models for Triple Play services (telephone and television service)

Geographically distributed network architecture of a company with a branch structure

Objective

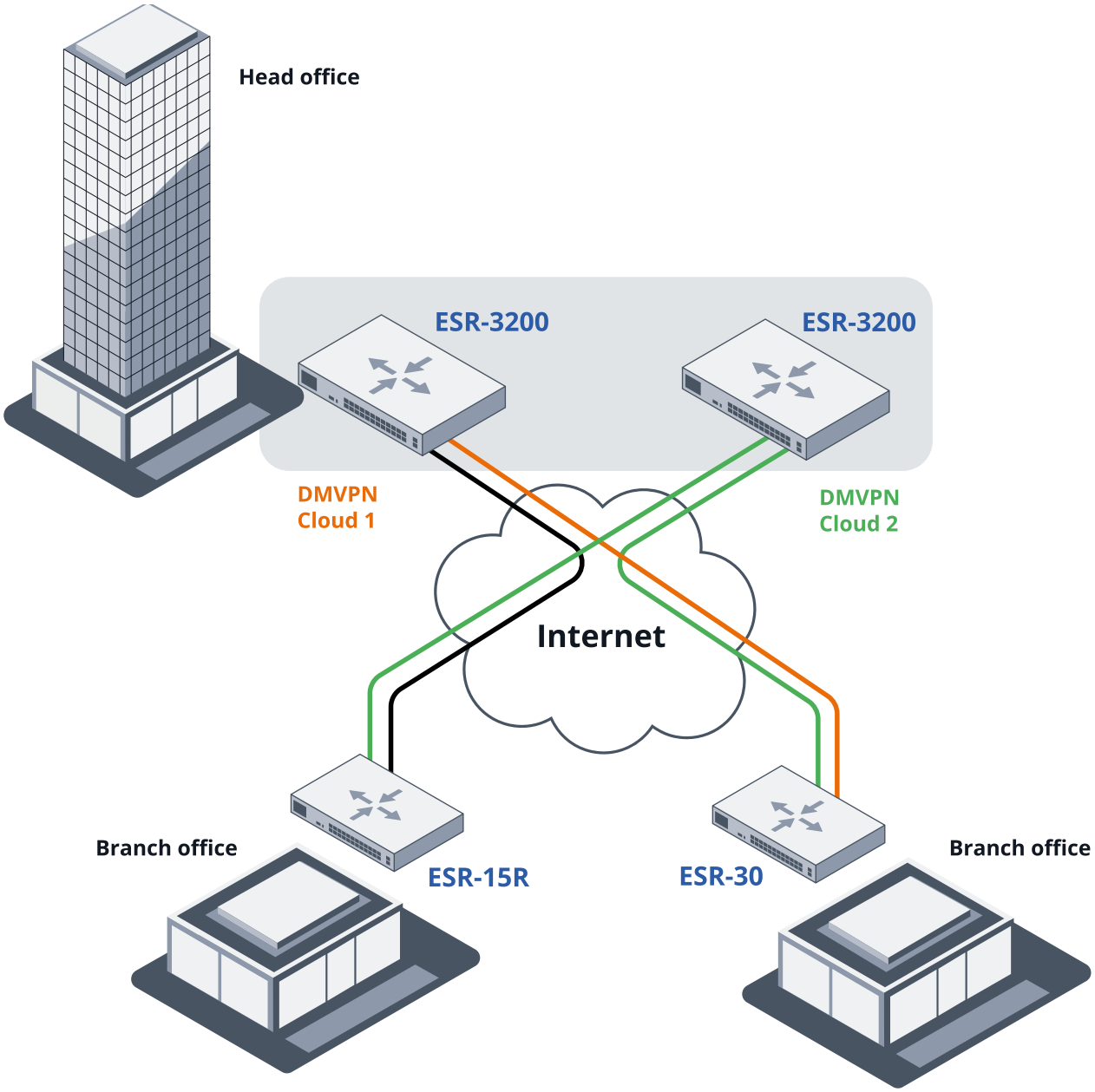
Combining separate data networks of company branches into a single corporate network

Equipment

- ESR series routers
- MES data center switches

Benefits

- Easy scalability
- Support for the DMVPN technology (Phase 1, 2, 3), including Dual-Hub
- Firewall/NAT
- Remote Access VPN



Company information infrastructure security based on ESR routers

Objective

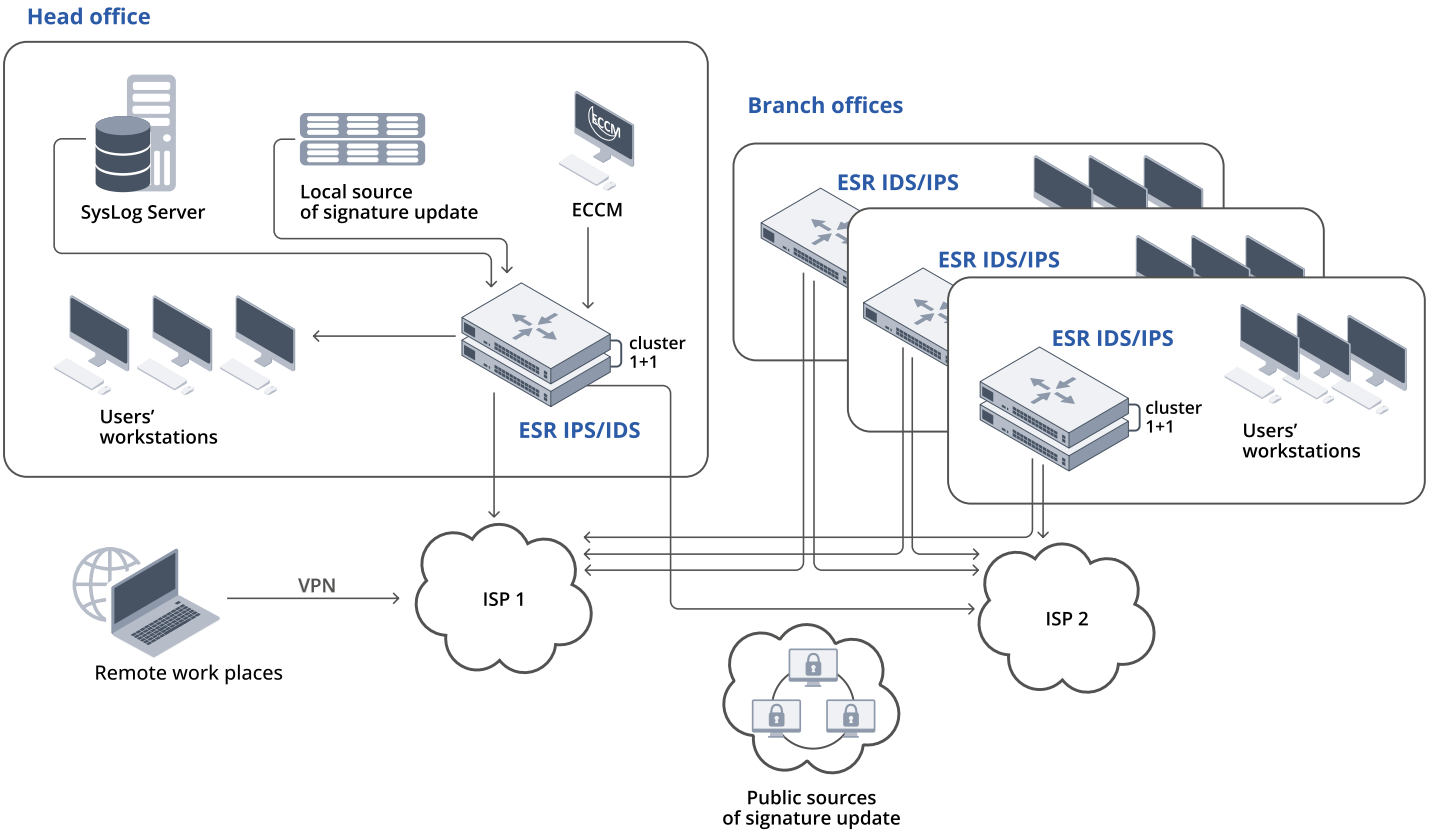
Construction of infrastructure with network and computer security software system

Equipment

ESR series routers

Benefits

- Comprehensive network security
- High performance
- Scalability
- Fault tolerance
- Configuration flexibility
- Wide range of capabilities



Fault-tolerant cluster of service routers

Objective

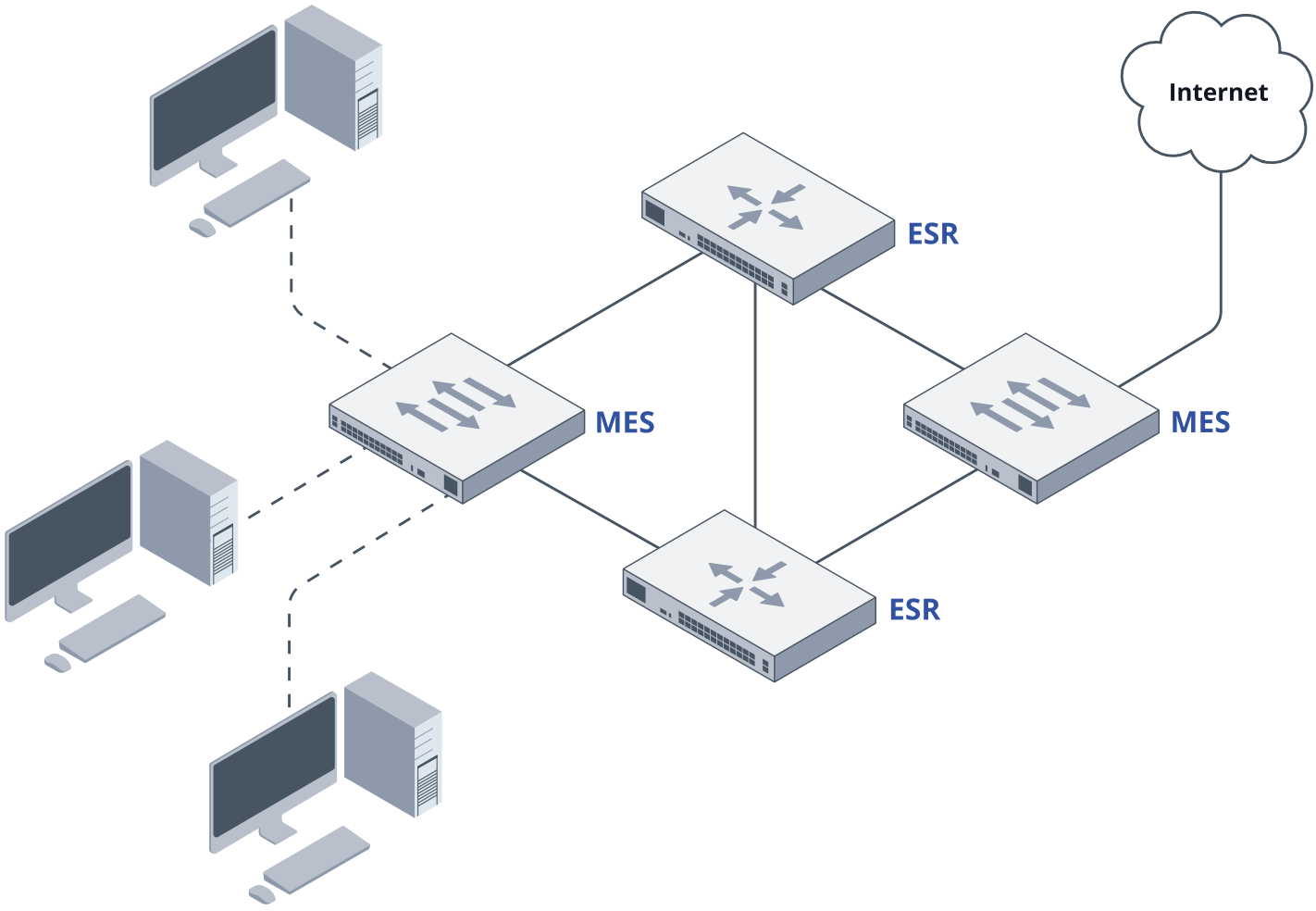
Combining multiple ESR service routers into a single logical device for the purpose of high availability (high-availability cluster)

Equipment

- ESR service routers
- MES switches

Benefits

- Redundancy of routers and all connections in the cluster
- Synchronization of states for fast switching in case of failover
- Centralized management, configuration
- Synchronization of configurations



Distributed fault-tolerant network architecture

Objective

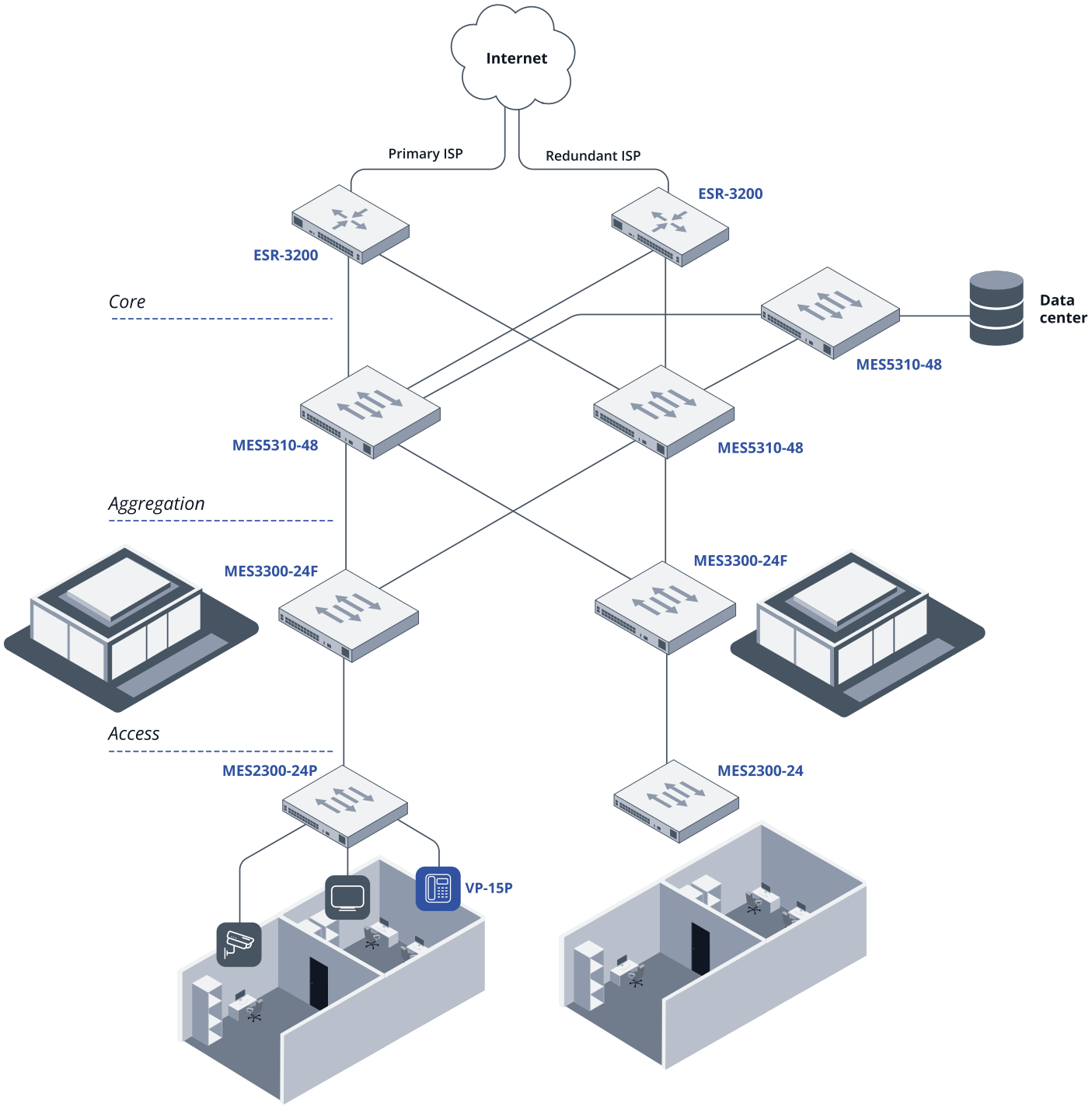
Creation of a data transmission network within the enterprise from the access level to the core level and the ISP

Equipment

- ESR service routers
- MES data center, access and aggregation switches
- IP phones

Benefits

- Redundancy of each distribution and aggregation node (MC-LAG, STP, ERPS)
- Redundancy of Internet channels



High-speed XGS-PON network based on Eltex equipment

Objective

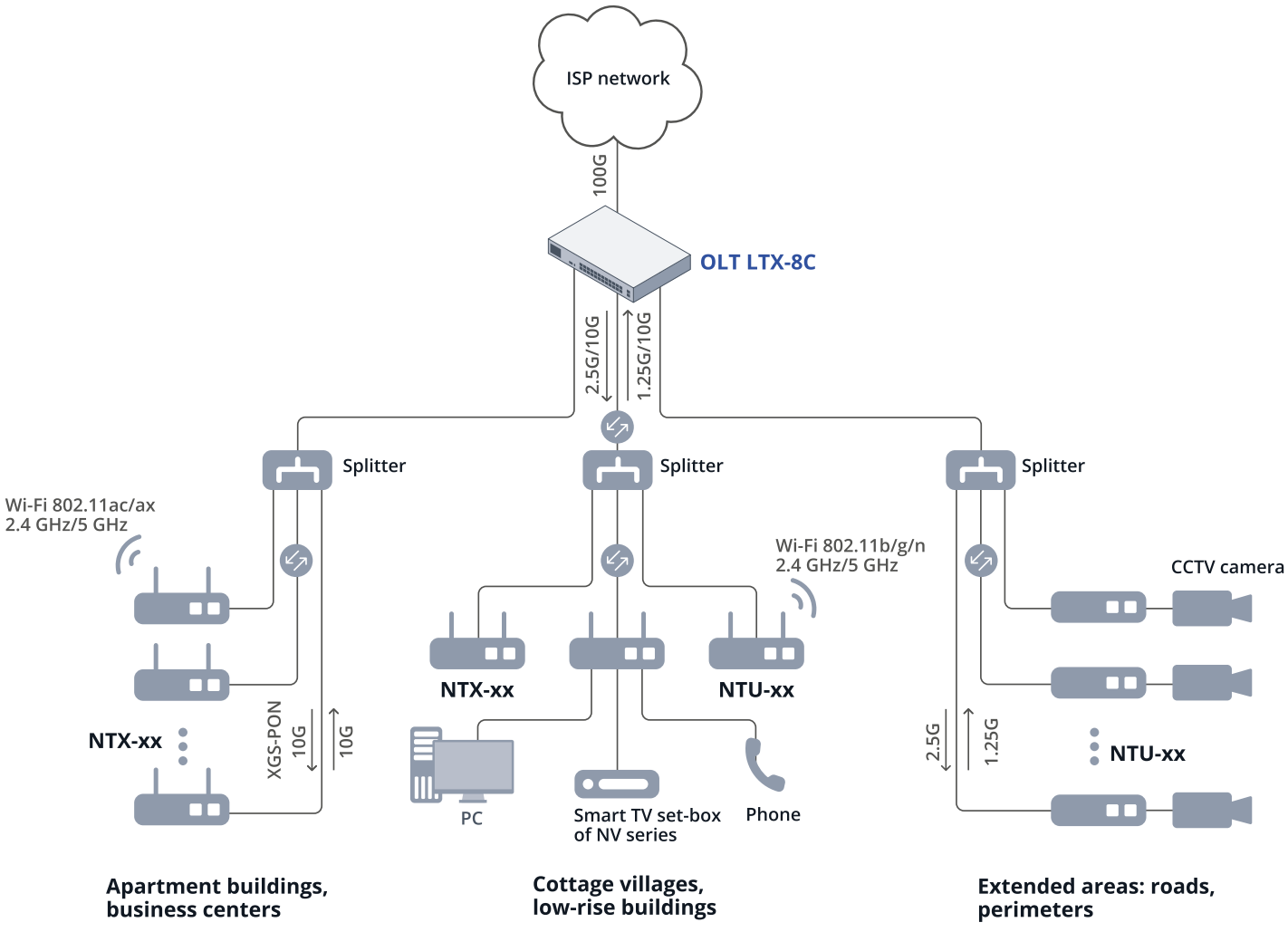
Deploying a modern passive optical network based on XGS-PON technology, providing data rates of up to 10 Gbps

Equipment

- OLTs of LTX-xx series
- ONTs of NTX-xx series

Benefits

- High performance up to 10 Gbps (duplex)
- Up to 4,096 subscribers per OLT
- ONT terminals with a wide range of capabilities
- TriplePlay services over optical fiber cable
- Smooth migration from GPON to XGS-PON



Data center networks based on MES switches

Objective

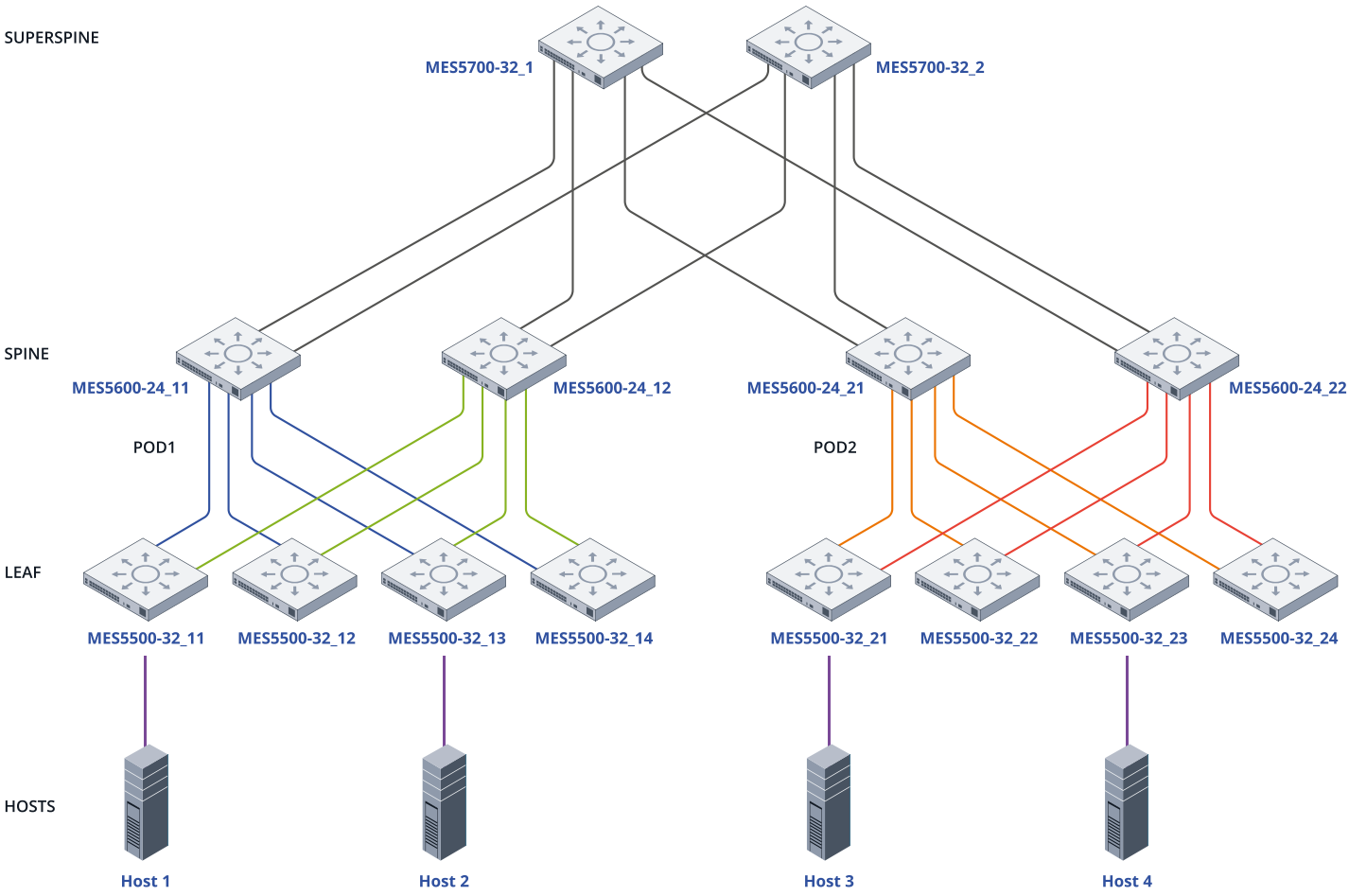
Creating a high-performance architecture based on switches to improve fault tolerance in the data center segment

Equipment

Data center switches of MES series

Benefits

- High performance
- Intergrated solution
- Easy scalability
- High fault tolerance
- Centralized management
- Support for modern protocols and technologies



Deploying a data network on industrial sites

Objective

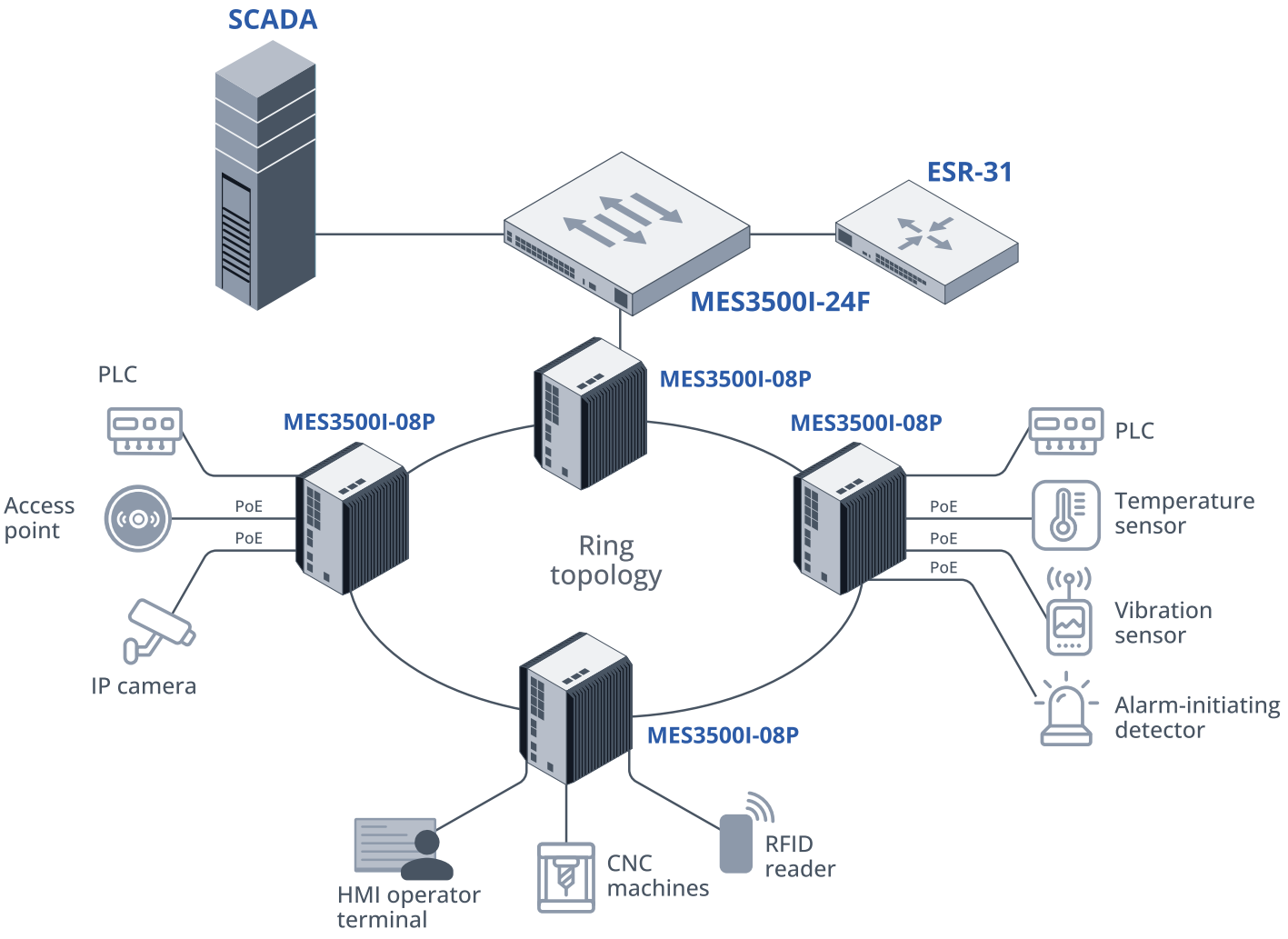
Construction of a fault-tolerant industrial network infrastructure with guaranteed high availability to ensure the continuity of technical processes

Equipment

Industrial switches of MES series

Benefits

- Resilience to extreme operating conditions
- A wide range of security and management features
- Support for the ERPS protocol for network fault tolerance
- Support for dynamic routing protocols (RIP, OSPF, IS-IS, BGP, PIM SM/DM)



Wi-Fi access points

Indoor

Wi-Fi 7

WEP-550K

WEP-500K
Under development

WEP-53L
Under development

WEP-50L
Under development

Standard	802.11be (Wi-Fi 7)	802.11be (Wi-Fi 7)	802.11be (Wi-Fi 7)	802.11be (Wi-Fi 7)
Frequency band	2.4/5/6 GHz	2.4/5/6 GHz	2.4/5 GHz	2.4/5 GHz
Radio interfaces number	3	3	2	2
Antennas type	Built-in	Built-in	Built-in	Built-in
Antennas configuration	MU-MIMO 4×4	MU-MIMO 2×2 (2.4 GHz) MU-MIMO 3×3 (5/6 GHz)	MU-MIMO 4×4	MU-MIMO 2×2
Roaming	802.11r/k/v	802.11r/k/v	802.11r/k/v	802.11r/k/v
Operation mode	Managed by controller Standalone	Managed by controller Standalone	Managed by controller Standalone	Managed by controller Standalone
Interfaces	1×10G, 1×2.5G	1×2.5G, 1×1G	1×2.5G, 1×1G	1×2.5G, 1×1G
Power supply	PoE++ (Type 3) 48 V/56 V (IEEE 802.3bt-2018)	PoE+ 48 V/56 V (IEEE 802.3at-2009)	PoE+ 48 V/56 V (IEEE 802.3at-2009)	PoE+ 48 V/56 V (IEEE 802.3at-2009)

Wi-Fi 6

WEP-30L
WEP-30L-Z

WEP-3ax

WEP-3L

Standard	802.11ax (Wi-Fi 6)	802.11ax (Wi-Fi 6)	802.11ax (Wi-Fi 6)
Frequency band	2.4/5 GHz	2.4/5 GHz	2.4/5 GHz
Radio interfaces number	2	2	2
Antennas type	Built-in	Built-in	Built-in
Antennas configuration	MU-MIMO 2×2	MU-MIMO 2×2	MIMO 2×2 (2.4 GHz) MU-MIMO 2×2 (5 GHz)
Roaming	802.11r/k/v	802.11r/k/v	802.11r/k/v
Operation mode	Managed by controller Standalone	Managed by controller Standalone	Managed by controller Standalone
Interfaces	1×2.5G	1×2.5G	1×1G
Power supply	PoE 48 V/56 V (IEEE 802.3af-2003)	PoE+ 48 V/56 V (IEEE 802.3at-2009)	PoE 48 V/56 V (IEEE 802.3af-2003)
Recommended users number	Up to 50	Up to 100	Up to 40
WIDS/WIPS support	●	●	
Airtune	●	●	●
IoT Hub support	WEP-30L-Z only		
Mesh	●		

Wi-Fi access points

Wi-Fi 5

	WEP-200L	WEP-1L
Standard	802.11ac (Wi-Fi 5)	802.11ac (Wi-Fi 5)
Frequency band	2.4/5 GHz	2.4/5 GHz
Radio interfaces number	2	2
Antennas type	Built-in	Built-in
Antennas configuration	MIMO 2×2 (2.4 GHz) MU-MIMO 4×4 (5 GHz)	MIMO 2×2
Roaming	802.11r/k/v	802.11r/k/v
Operation mode	Managed by controller Standalone	Managed by controller Standalone
Interfaces	1×1G	1×1G
Power supply	PoE 48 V/56 V (IEEE 802.3af-2003)	5 V DC
Recommended users number	Up to 60	Up to 20
WIDS/WIPS support	●	
Airtune	●	●

Outdoor

Wi-Fi 7

	Under development WOP-500KS	WOP-50L Under development
Standard	802.11be (Wi-Fi 7)	802.11be (Wi-Fi 7)
Frequency band	2.4/5/6 GHz	2.4/5 GHz
Radio interfaces number	3	2
Antennas type	Internal sector antennas with connectors for external ones	External
Antennas configuration	MU-MIMO 2×2	MU-MIMO 2×2
Roaming	802.11r/k/v	802.11r/k/v
Operation mode	Managed by controller Standalone	Managed by controller Standalone
Interfaces	1×2.5G 1×1G	1×2.5G 1×1G
Power supply	PoE+ 48 V/56 V (IEEE 802.3at-2009)	PoE+ 48 V/56 V (IEEE 802.3at-2009)

Wi-Fi access points

Wi-Fi 5/6

WOP-30L

WOP-30LS

WOP-2L

WOP-20L

	WOP-30L	WOP-30LS	WOP-2L	WOP-20L
Standard	802.11ax (Wi-Fi 6)	802.11ax (Wi-Fi 6)	802.11ac (Wi-Fi 5)	802.11ac (Wi-Fi 5)
Frequency band	2.4/5 GHz	2.4/5 GHz	2.4/5 GHz	2.4/5 GHz
Antennas type	External	Internal sector	External	External
Antennas configuration	MU-MIMO 2×2	MU-MIMO 2×2	MIMO 2×2	MIMO 2×2
Roaming	802.11r/k/v	802.11r/k/v	802.11r/k/v	802.11r/k/v
Operation mode	Managed by controller Standalone	Managed by controller Standalone	Managed by controller Standalone	Managed by controller Standalone
Interfaces	1×2.5G	1×2.5G	1×1G	1×1G
Power supply	PoE+ 48 V/56 V (IEEE 802.at-2009)	PoE 48 V/56 V (IEEE 802.3af-2003)	PoE 48 V/56 V (IEEE 802.3af-2003)	PoE 48 V/56 V (IEEE 802.3af-2003)
Recommended users number	Up to 50	Up to 50	Up to 40	Up to 50
WIDS/WIPS support	●	●		●
Airtune	●	●	●	●
Mesh	●	●		

Industrial access points

Wi-Fi 6

WOP-30LI
Industrial

WOP-3L-EX
Explosion-proof

	WOP-30LI Industrial	WOP-3L-EX Explosion-proof
Standard	802.11ax (Wi-Fi 6)	802.11ax (Wi-Fi 6)
Frequency band	2.4/5 GHz	2.4/5 GHz
Antennas type	External	Built-in
Antennas configuration	MU-MIMO 2×2	MIMO 2×2 (2.4 GHz) MU-MIMO 2×2 (5 GHz)
Roaming	802.11r/k/v	802.11r/k/v
Operation mode	Managed by controller Standalone	Managed by controller Standalone
Interfaces	2×1G 2×1G SFP	1×1G
Power supply	PoE+ 48 V/56 V (IEEE 802.at-2009), DC 12–56 V	PoE 24 V
Recommended users number	Up to 50	Up to 40
WIDS/WIPS support	●	
Airtune	●	●
Ingress protection	IP67	IP66
Ex-proof marking		1Ex db IIC T5 Gb

WLC wireless LAN controller

Solution for corporate wireless networks management

WLC series controllers are designed to configure corporate wireless networks. The solution allows for implementing different schemes for connecting access points over L2/L3.

Combined with routing and firewall functions, WLC series controllers are a universal solution for enterprise, office and other networks.

Key features:

- AP autoconfiguration according to preset templates
- AP monitoring and management
- Airtune, Radio Resource Management (RRM)
- WIDS, detection of third-party access points, security monitoring
- Connecting access points via L2/L3
- User authorization, network statistics

	 WLC-15	 WLC-30	 WLC-3200	 WLC-3250 Under development	 WLC-3350 Under development
Interfaces	4×1G RJ-45 2×1G SFP	4×1G RJ-45 2×10G SFP+	12×25G SFP28	8×1G Combo 4×25G SFP28	8×1G Combo 4×25G SFP28
Console	1	1	1	1	1
OOB			1		
USB 3.0		1		2	2
USB 2.0	1	1	1		
Slot for microSD card		1	1	1	1
Power supply	Built-in	Built-in	2×swappable	2×swappable	2×swappable

Technical features

Number of access points	Up to 100	Up to 500	Up to 3000	Up to 5000	Up to 7000
SoftGRE tunnels	100	600	4000	5000	7000
Static routes	1K	11K	11K	11K	11K
Concurrent sessions	4K	256K	512K	8.5M	8.5M
BGP routes	1M	2.5M	5M	5M	5M
OSPF routes	30K	300K	500K	500K	500K
RIP routes	1K	10K	10K	10K	10K
FIB size	1M	1.4M	1.7M	1.7M	1.7M
WIDS/WIPS*	●	●	●	●	●

* Available under license.

Software solutions for wireless network management

SoftWLC controller

A carrier-class solution for managing wireless networks up to 150,000 access points. The controller has all the necessary functions and services for comprehensive management of Wi-Fi networks such as setting up the operation of access points and their administration, protection from various threats, flexible authorization, management and optimization of radio parameters, detailed monitoring of network activity and performance analysis. The solution has a built-in Captive Portal for organizing public networks with authorization by call, SMS, government services.

vWLC

Software wireless access controller for building corporate networks at large enterprises. One of the key advantages of the solution is the built-in software router, which handles data and management traffic at the L2 and L3 levels, as well as provides firewall functions for the corporate network.

Key features

	SoftWLC	vWLC
Distribution method	Docker containers	ISO image
Redundancy	1+1 Active/Standby	1+1 Active/Standby
Number of connected points, pcs.	Up to 150,000	Up to 5,000
Diagram of traffic flow (data, management)	Local switching	Centralization forwarding (L2/L3)/Local switching
Captive Portal	•	No, use with external portals
Management and monitoring, interfaces	Web interface, JavaWebStart	WEB, SSH, Telnet
WIDS/WIPS	•	•
API interface	•	Under development
Firewall functions		•

Organization of broadband wireless access using Wi-Fi technology

Objective

Solution for building a long-range wireless network for telecom operators and corporate customers: radio bridges (PTP), network for connecting households and video surveillance (PTMP)

Solutions

- Base stations
- Subscriber stations
- Radio bridges with offset antennas

Benefits

- Frequency band 2.4/5/6 GHz
- Large coverage radius
- Polling/TDD

PTP solution enables point-to-point connections to transmit data between remote sites. The solution is quickly deployed and does not require much effort compared to wired technologies

Radio bridges

	WB-3P-PTP2	WB-3P-PTP5	WB-3P-PTP6
Standard	802.11ax (Wi-Fi 6)	802.11ax (Wi-Fi 6)	802.11ax (Wi-Fi 6)
Transmitter power, dBm	27	26	26
Frequency, GHz	2.4	5	6
MIMO	MU-MIMO 2×2	MU-MIMO 2×2	MU-MIMO 2×2
Data rate*, Mbps	574	2402	2402
Distance, km**	Up to 8	Up to 34	Up to 34
Interfaces	1×1G	1×1G	1×1G
Power supply	PoE 24 V	PoE 24 V	PoE 24 V
TDD	●	●	●
ECCM management	●	●	●

* Data rate is based on wireless standard and varies with distance and environmental factors after testing.

** Distance is specified using a parabolic antenna.

PTMP solution allows building a network in a cottage village to connect houses to the Internet or organize data transmission for video surveillance

Base stations




	WOP-2ac-LR2 SYNC	WOP-2ac-LR5 SYNC	WOP-3ax-LR5	WOP-3ax-LR6
Standard	802.11n	802.11ac	802.11ax	802.11ax
Transmitter power, dBm	26	28	27	26
Frequency, GHz	2.4	5	5	6–7
MIMO	MIMO 2×2	MIMO 2×2	MU-MIMO 2×2	MU-MIMO 2×2
Data rate*, Mbps	300	867	2402	2402
Distance, km**	Up to 2	Up to 5	Up to 10	Up to 10
Interfaces	1×1G Combo	1×1G Combo	1×1G Combo	1×1G Combo
Power supply	PoE+ 48 V/56 V (IEEE 802.3at-2009)	PoE+ 48 V/56 V (IEEE 802.3at-2009)	PoE+ 48 V/56 V (IEEE 802.3at-2009)	PoE+ 48 V/56 V (IEEE 802.3at-2009)
Polling	●	●		
TDD			●	●
Inter-sector synchronization	●	●	Under development	Under development
Number of supported subscriber stations	Up to 30	Up to 30	Up to 64	Up to 64
ECCM management			●	●

Subscriber stations

	WB-2P-LR2	WB-2P-LR5	WB-3P-LR5	WB-3P-LR6
Standard	802.11n	802.11ac	802.11ax	802.11ax
Transmitter power, dBm	26	28	27	26
Frequency, GHz	2.4	5	5	6–7
MIMO	MIMO 2×2	MIMO 2×2	MU-MIMO 2×2	MU-MIMO 2×2
Data rate*, Mbps	300	867	2402	2402
Distance, km	Up to 2	Up to 5	Up to 12	Up to 12
Interfaces	1×1G	1×1G	1×1G	1×1G
Power supply	PoE 24 V	PoE 24 V	PoE 24 V	PoE 24 V
Polling	●	●		
TDD			●	●
ECCM management			●	●

* Data rate is based on wireless standard and varies with distance and environmental factors after testing.

** Distance is specified using a sector antenna RFE 50-65/90/16.

VoIP

IP phones

VP-17P

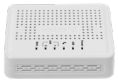
VP-30P

VP-30P-WB

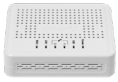
VP-100P
Under development

OS	Linux	Linux	Linux	
SIP accounts	4	8	6	6
Interfaces	2×10/100/1000 Mbps	2×10/100/1000 Mbps	2×10/100/1000 Mbps	2×10/100/1000 Mbps
Display	Monochrome 128×64 px	Color 800×480 px	Color 800×480 px	Touch-screen, color
Extension console		●	●	●
HD VOICE		●	●	●

Low-density-port VoIP



TAU-1M.IP



TAU-2M.IP

TAU-4M.IP

TAU-8N.IP

FXS	1	2	4	8
LAN	2	1	1	
WAN	1	1	1	1
MGMT				1
USB 2.0	1	1	1	1
3G/4G redundancy	●	●	●	●

Subscriber gateways

TAU-16.IP

TAU-24.IP

TAU-32M.IP

TAU-36.IP

TAU-72.IP

FXS/FXO/E1	16 FXS	24 FXS	Up to 32 FXO/FXS	36 FXS	72 FXS
VoIP	SIP, SIP-T, H.323	SIP, SIP-T, H.323	SIP, SIP-T, H.323	SIP, SIP-T, H.323	SIP, SIP-T, H.323

Features:

- Current and voltage protection of ports
- Ability to measure line parameters
- PBX functionality
- Redundant SIP proxy
- FXS port can be hard-relayed to FXO port in case of power outage*
- AC / DC Power supply

* Supported only by TAU-32M.IP.

VoIP

Trunk gateways

	SMG-2	SMG-4	SMG-3016	SMG-3116
Interfaces	1 × 1GE (RJ-45) Up to 2 × E1 (RJ-48) 1 × Console RS-232 port (RJ-45) 1 × USB 2.0	1 × 1GE (RJ-45) 4 × E1 (RJ-48) 1 × Consoце RS-232 port (RJ-45) 1 × USB 2.0	2 × 1GE (RJ-45) 2 × Combo 1G (SFP, RJ-45) 1 × 1G (RJ-45) OOB 16 × E1 (RJ-48) 2 × SATA HDD 2.5" 1 Console RS-232 port (RJ-45) 2 × USB 2.0	16 × E1 (RJ 48) 2 × Combo 1G (SFP, RJ-45) 2 × 1GE (RJ-45) 2 × SATA HDD 2.5" 2 × USB 2.0 40 cps
SIGTRAN/MGCP/H.248			•	•
Synchronization	From E1 stream	From E1 stream	From E1 stream From analog source, 2 sync inputs/sync outputs	From E1 stream From analog source, 2 sync inputs/sync outputs
Capacity	Up to 2 E1 streams Up to 64 VoIP channels	4 E1 streams Up to 128 VoIP channels	Up to 16 E1 streams Up to 768 VoIP channels	Up to 16 E1 streams Up to 768 VoIP channels
Redundancy			2 power supply units Master-Slave: by IP by E1	2 power supply units Master-Slave: by IP by E1

Features and capabilities:

- VoIP protocols: SIP, SIP-T/SIP-I, H.323 (H.323 is available for SMG-1016M, SMG-3016, SMG-3116 only)
- TDM protocols: SS7, DSS1 (Q.931)
- Media streams transcoding
- Semi-permanent connection mode for working on satellite communication channels (available for SMG-2, SMG-4 only)
- Support for DTMF
- QoS: IP DiffServ, 802.1p
- CDR files generation
- RADIUS authorization and accounting
- Stacking of up to 10 gateways (SMG-3016, SMG-3116)
- Support for STUN, public IP, NAT comedia (available for SMG-1016M, SMG-3016, SMG-3116)
- Management via WEB, CLI, SNMP
- Static and dynamic firewalls
- Differentiation of access rights to the device
- Use with Antifraud verification nodes (available for SMG-1016M, SMG-3016, SMG-3116)

IP PBX

	SMG-200	SMG-500	SMG-3016	SMG-3116	ECSS-10
Maximum number of subscribers	200	500	3000	2000	10000+
Scalability	100–200	250–500	1000–3000	500–2000	•
Redundancy	Battery connection	Battery connection	Master-Slave: by IP by E1 2 power supply units	Master-Slave: by IP by E1 2 power supply units	High-availability cluster, geographical redundancy, geographical cluster

Interfaces

E1		Up to 4	Up to 16	Up to 16	Via gateways
FXS/FXO	Up to 16	Via gateways	Via gateways	Via gateways	Via gateways

VoIP

Services

	SMG-200	SMG-500	SMG-3016	SMG-3116	ECSS-10
Virtual PBX					●
Call center with operator/ supervisor workstation					●
Call queue	●	●	●	●	●
Subscriber personal account			●	●	●
Teleconference					●
Call recording	●	●	●	●	●
Voice mail	●	●	●	●	●

Session Border Controllers

	SBC-3000
Interfaces	2 × 10/100/1000BASE-T (RJ-45) / 1000BASE-X (SFP) 2 × 10/100/1000BASE-T (RJ-45) 1 × Console port RS-232 (RJ-45) 1 × OOB 10/100/1000BASE-T (RJ-45)
Load capacity	Up to 2,000 calls
Redundancy	2 power supply units Master-Slave (via IP)

Functional capabilities:

- VoIP protocols: SIP, SIP-T/SIP-I
- Network topology hiding
- Static and dynamic firewalls
- Port scan protection
- SIP flood protection
- Client application filter
- RADIUS Authorization

High-performance Session Border Controllers

	ESBC-3200	vESBC
Interfaces	12 × 1000BASE-X/10GBASE R/ 25GBASE-R (LAN/WAN) 1 × Console RS-232 (RJ-45) 1 × OOB 1 × USB 2.0 1 × Slot for microSD	Software performance
Load capacity*	Up to 8,500 calls	Up to 11,500 calls**
Redundancy	Master-Slave	Active-Active

Functional capabilities:

- VoIP protocols: SIP
- Network topology hiding
- Encryption (TLS, SRTP)
- Transcoding/proxying of media (audio, video codecs)
- DoS, VoIP attacks prevention
- Software and hardware performance
- Headers modification with PCRE
- WebRTC

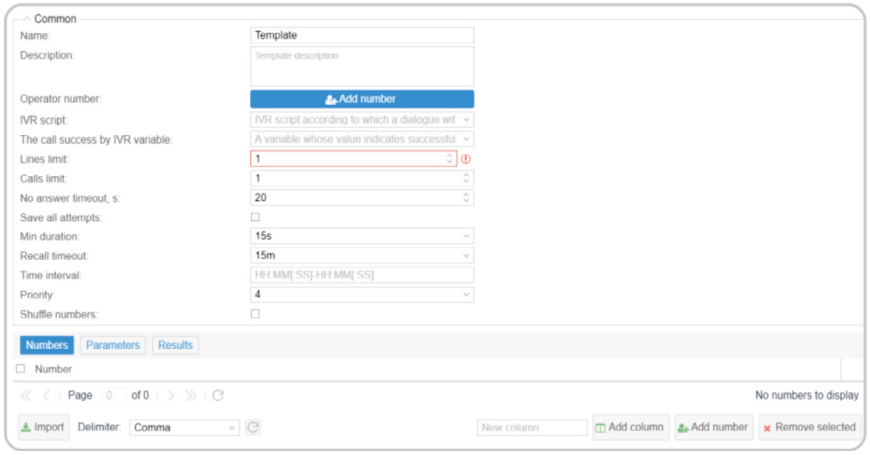
* In proxy mode, PCMA codec.
** Server characteristics: CPU — 2 x Intel(R) Xeon(R) Gold 6230 CPU @ 2.10GHz, 64 GB RAM, NIC — Intel X710 for 10GbE SFP+. Virtual machine characteristics: 75 CPU, 32 GB RAM, PCI Pass-through.

IP PBX ECSS-10

A modern software and hardware platform designed for building integrated infocommunication network connections.
The complex is based on software and hardware components that provide a wide range of services and a high level of reliability.

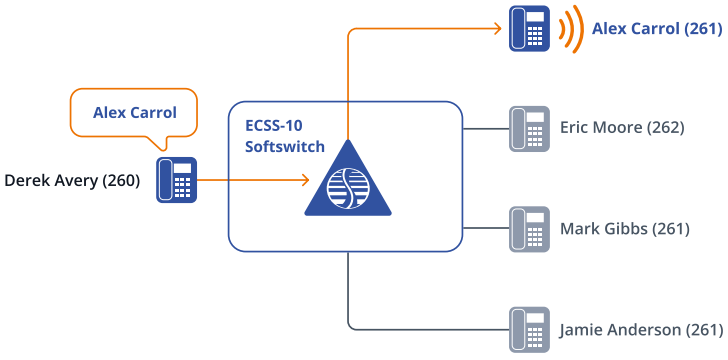
- 10,000+ subscribers
- PBX functions of an institution or enterprise, rural, urban, combined, intercity transit station or international switching center
- Virtual PBX
- Virtualization capability
- Integration with LDAP
- Support for hardware redundancy (active-active)
- Antifraud
- Location-based traffic routing
- Geo-redundancy
- Scalability
- Web, CLI
- Geoclustering
- PostgreSQL databases
- Multifunctional API
- Integration of Kaspersky and Positive Technologies

"Auto Redial" Service



- Automated notifications of subscribers about debts, new services, etc.
- Integration with Yandex Speech Kit
- Keyword recognition
- Virtualization capability
- Web interface
- Voting
- Call statistics

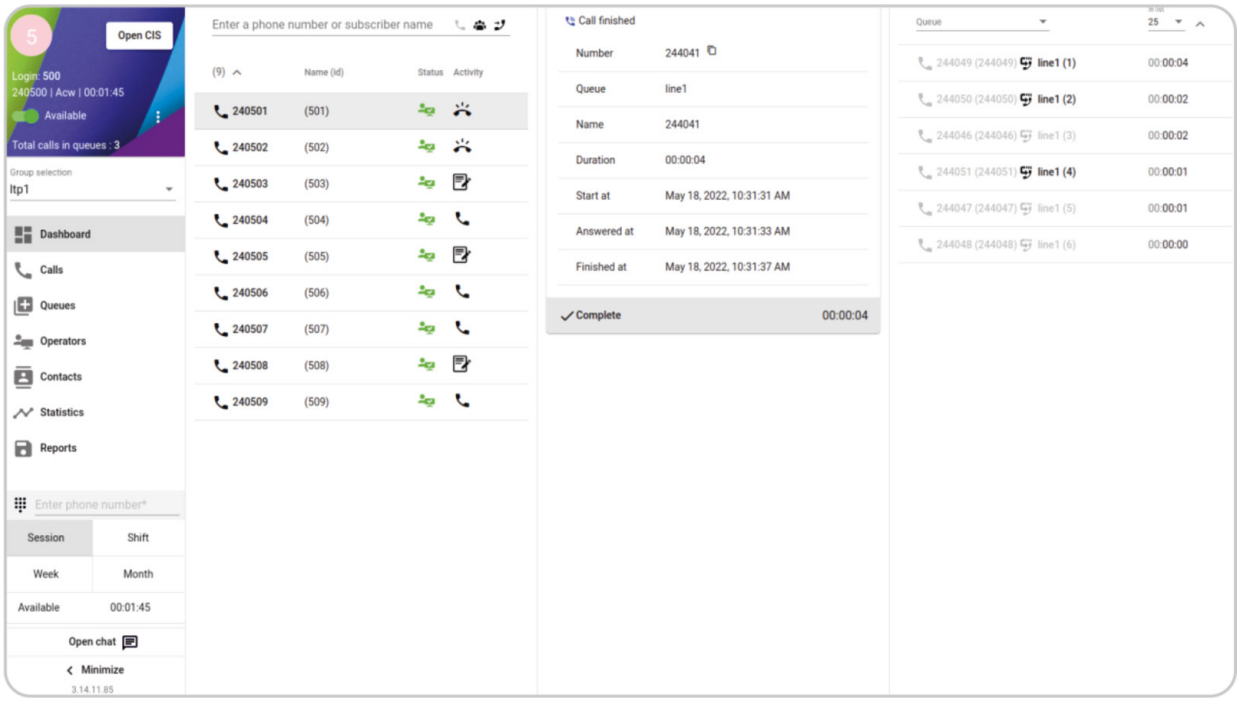
"Auto Attendant" Service



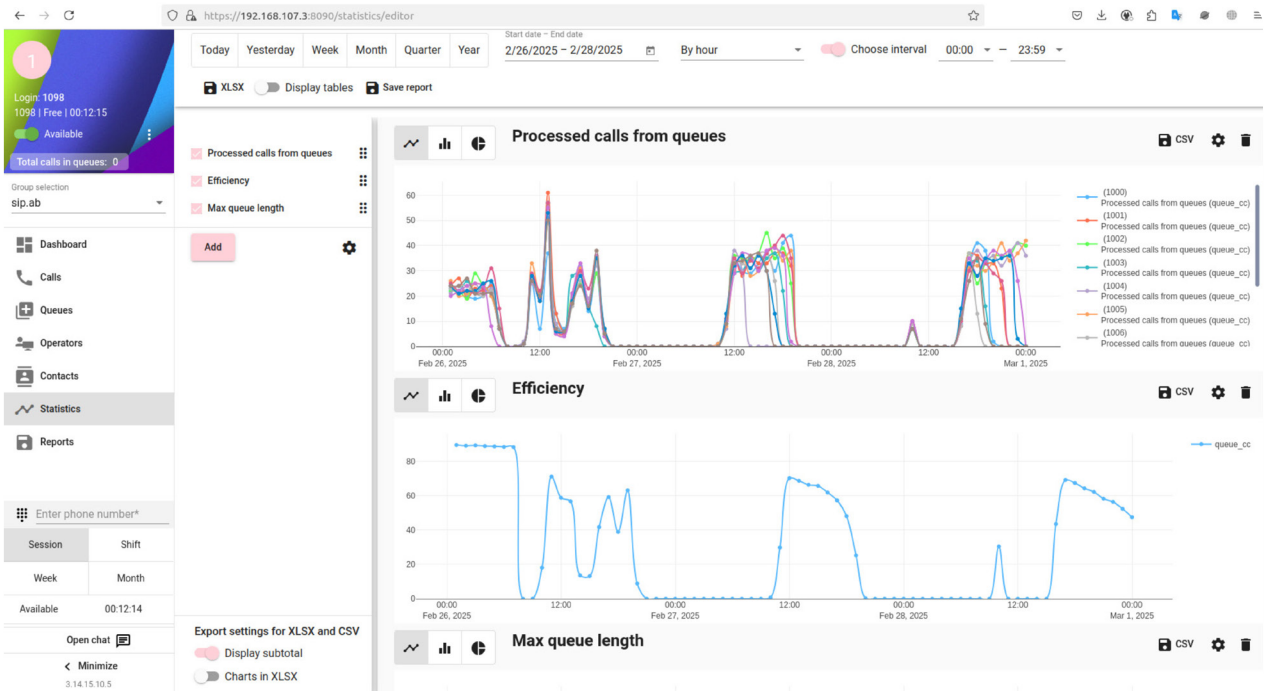
Speed dialing the phone number from the address book by pronouncing the name of the subscriber

IP PBX ECSS-10

Call center



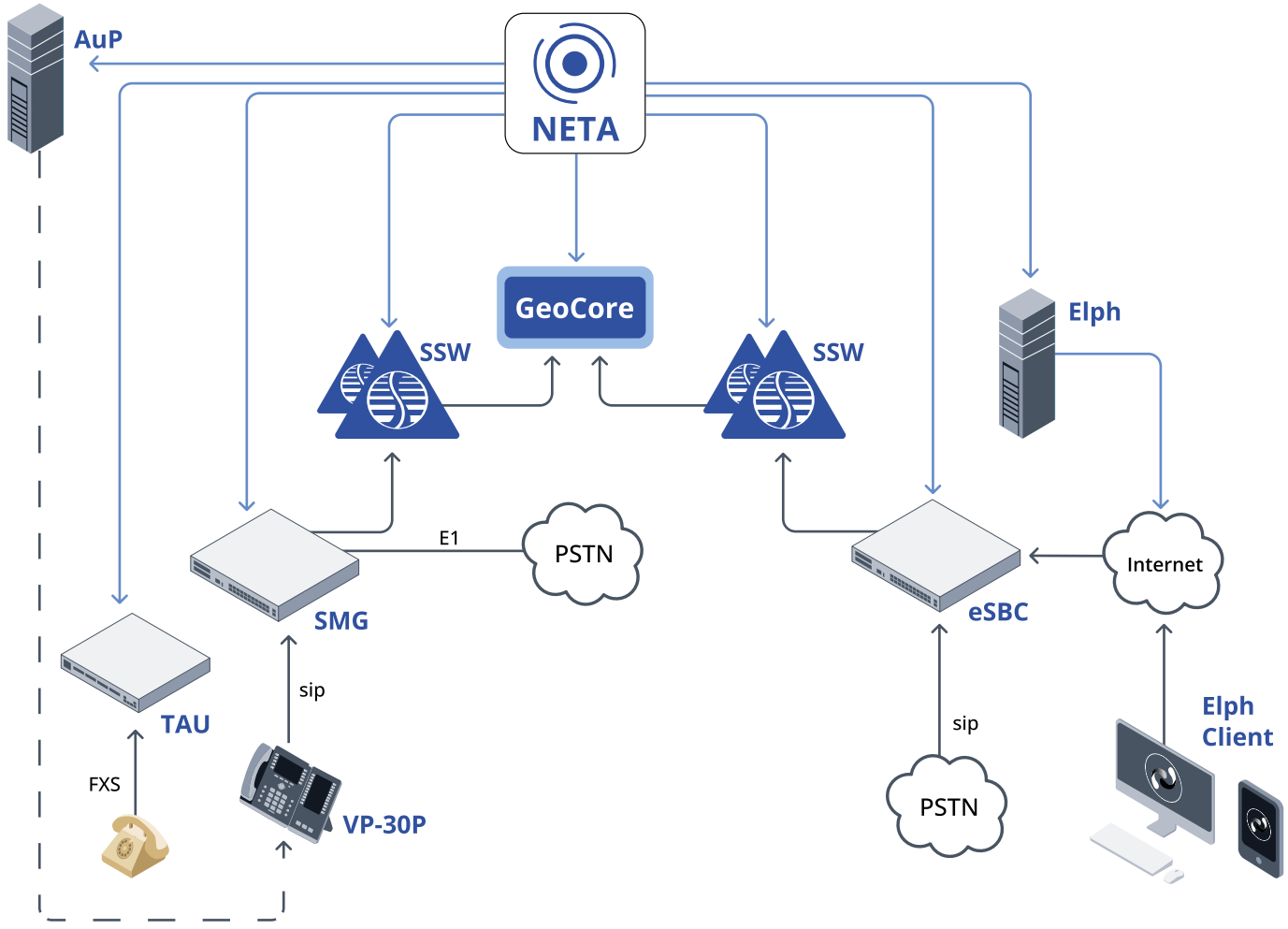
- Opportunity for an operator to work with a phone
- Operator workstation with a wide function set for calls processing
- Supervisor workstation for call center monitoring
- Managing the call center settings via call center administrator application
- A wide range of call distribution algorithms
- Queue hierarchy organizing
- Support for Callback feature in a queue
- Call prioritization when routing and queuing
- Call distribution according to operator's qualification
- Smart prediction of call waiting time in queue
- Manual mode for calls distribution in a queue
- Evaluating the performance of call center operators
- Ability to pick up a call from a queue
- Selection and provision of a large amount of statistical information on call center performance



NETA

Eltex NETA is a comprehensive management and monitoring system for a geographically distributed Eltex VoIP network, combining telephony administration and subscriber database management within a single platform. The solution implements standard FCAPS functionality, provides centralized management of the telephony subscriber base, and supports administration of the role-based access model and administrator accounts.

The system allows managing telephony component licenses, performing group and cross-device configurations across various topologies, and monitoring network elements and their connections.
Eltex NETA also provides analytical reports and service capabilities, including firmware updates, certificate management, backups, and diagnostics. NETA collects and stores inventory data.



Geo-cluster architecture

Objective

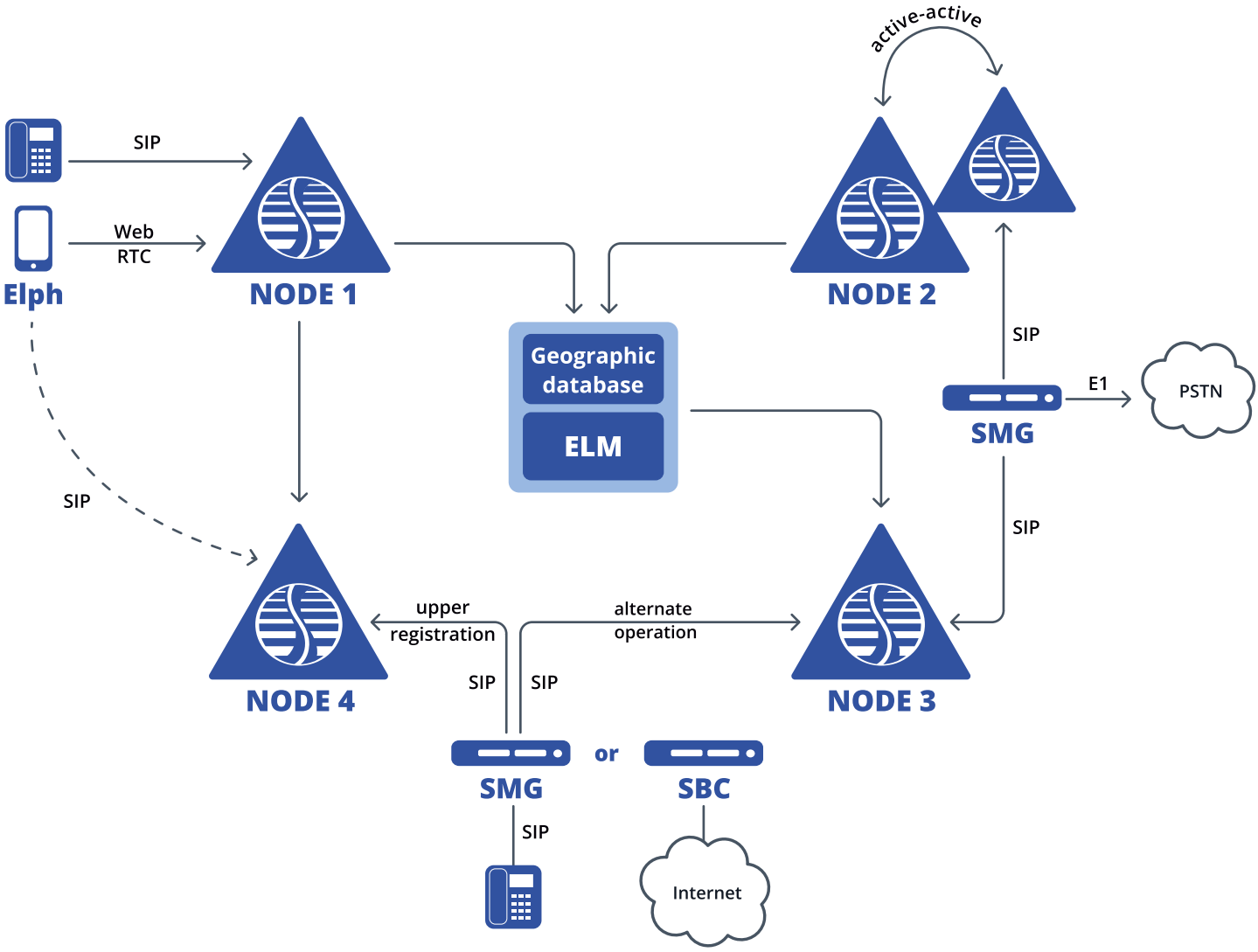
Deployment of a distributed communications network across regions, providing a full range of services

Services

- Call center
- Virtual PBX based on ECSS-10
- Automated outbound calling
- IVR
- Centralized call recording capability
- Integration with various CRM systems

Benefits

- User-friendly interface
- Unified management and monitoring system
- Automatic configuration of subscriber equipment



Carrier network deployment

Objective

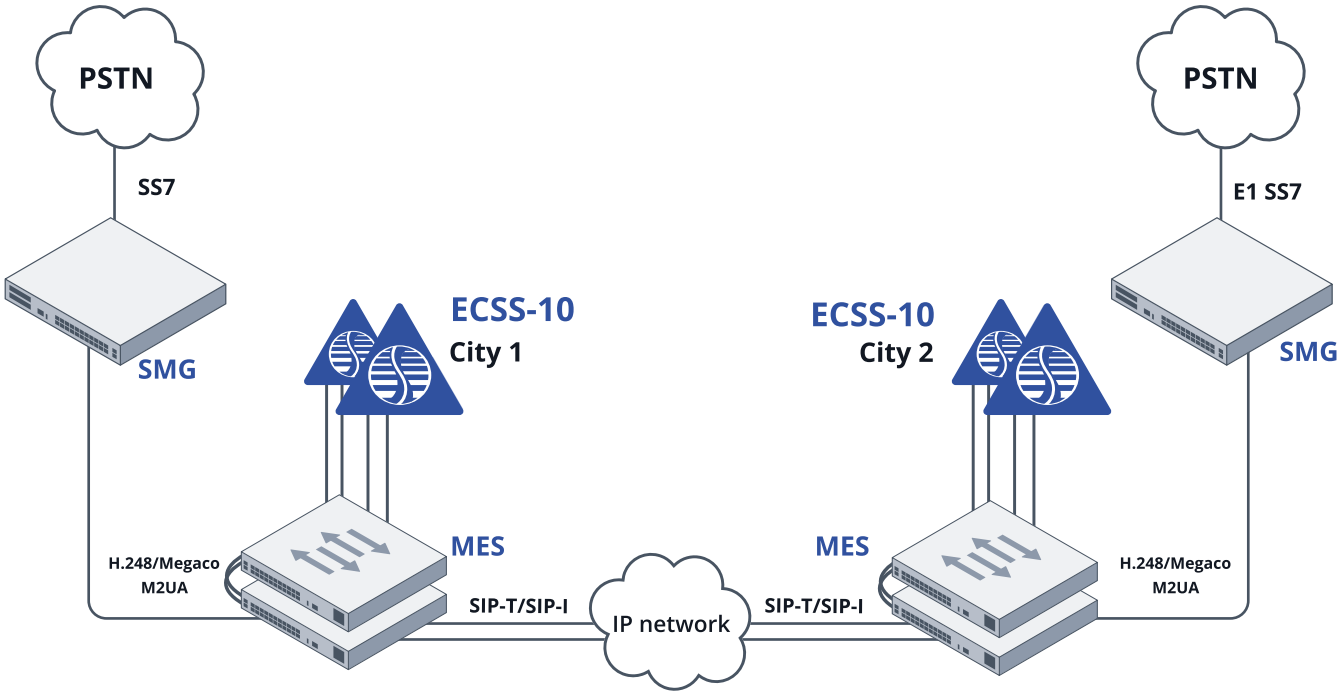
Implementation of seamless SS7 signaling transport over an IP network

Services

- Virtual PBX
- Call center
- Automated notifications
- IVR
- Call recording

Benefits

- User-friendly interface
- Unified management and monitoring system



High-availability large-scale multiservice network deployment

Objective

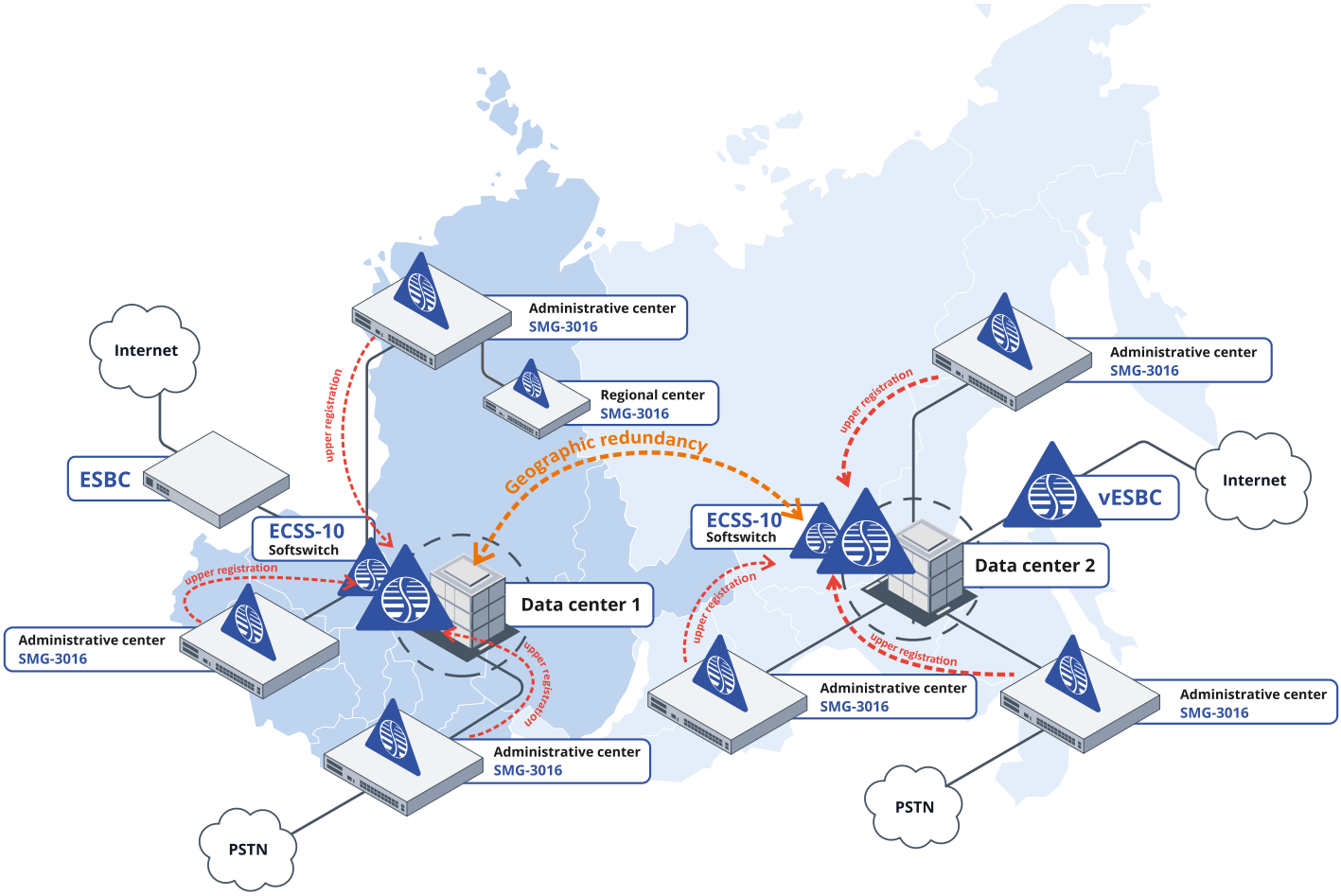
Implementation of fault-tolerant multiservice corporate telephony networks

Equipment

- ECSS-10 Softswitch
- SMG
- ESBC
- NETA
- Peeper
- VoIP Monitor

Benefits

- Multi-level redundancy (central node, geographic redundancy, local PBX)
- Corporate network protection
- Cross-platform solution (servers and virtual machines)
- Unified management and monitoring system
- Automatic IP phone configuration
- Wide range of services



Enterprise conference and dispatcher communication deployment

Objective

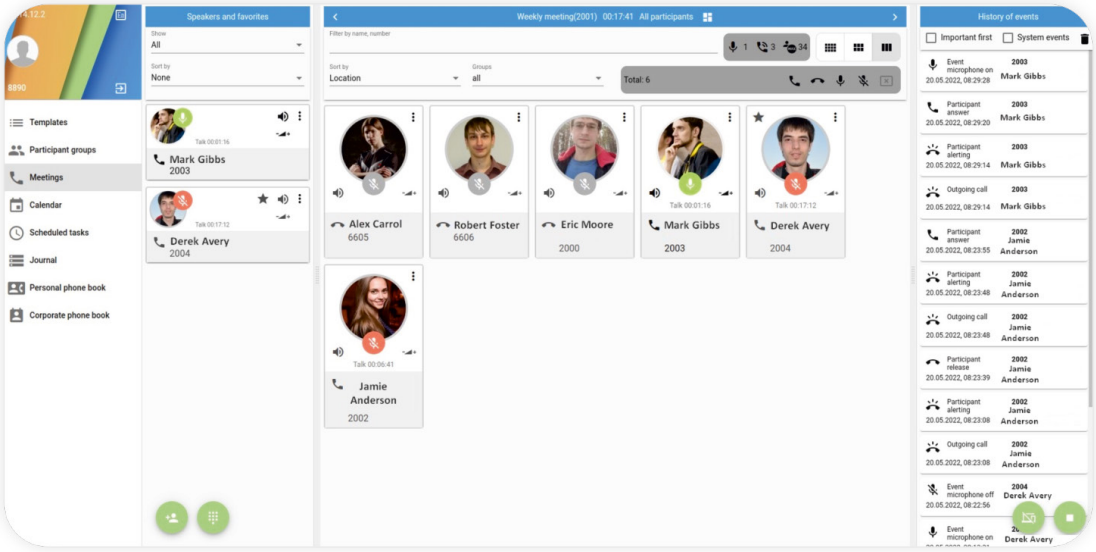
Implementation of conference or dispatcher communication systems for large enterprises

Equipment

- ECSS-10
- TAU-72.IP
- VP-17(P)
- VP-30(P)
- Elph

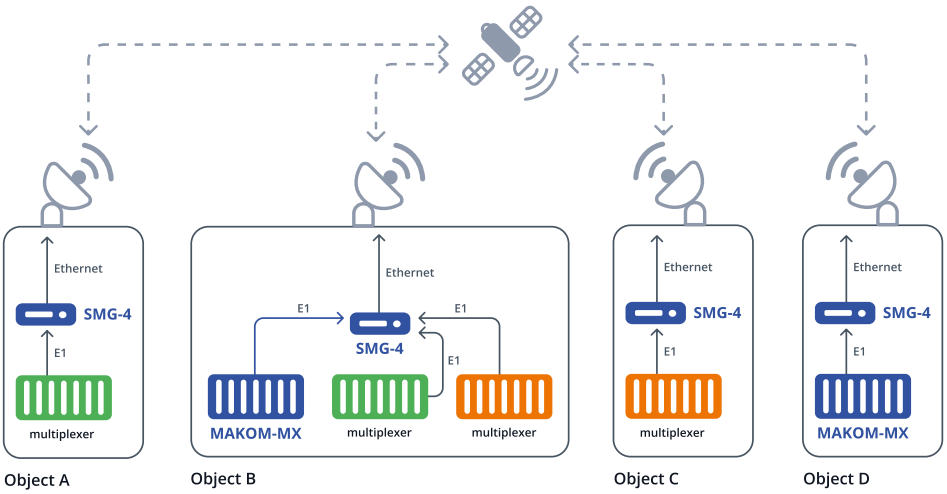
Benefits

- Unified platform for corporate and conference communications
- Meeting templates and history
- Role-based host privileges
- Up to 200 participants per conference
- Participant microphone muting



Remote site connectivity via satellite communication channels

The system includes a special mode that automatically maintains voice path connections between the E1 streams of two devices (over packet-switched voice channels) and provides effective echo cancellation over satellite communication channels.



Organization of networks for 100-3,000 subscribers

Objective

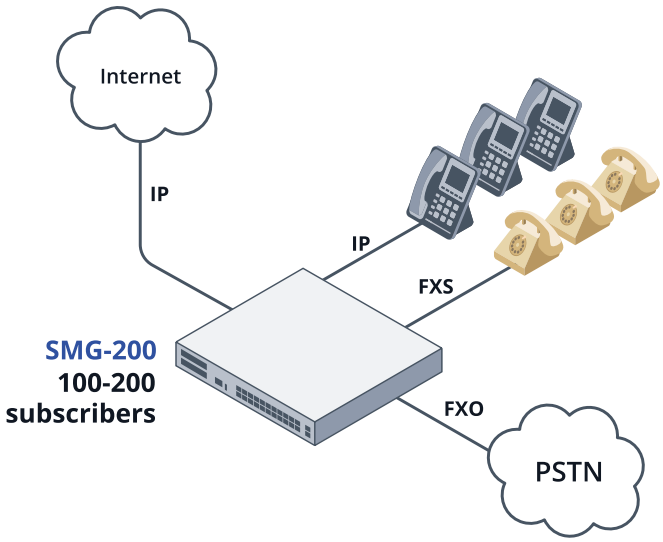
Organization of networks for 100-3,000 subscribers

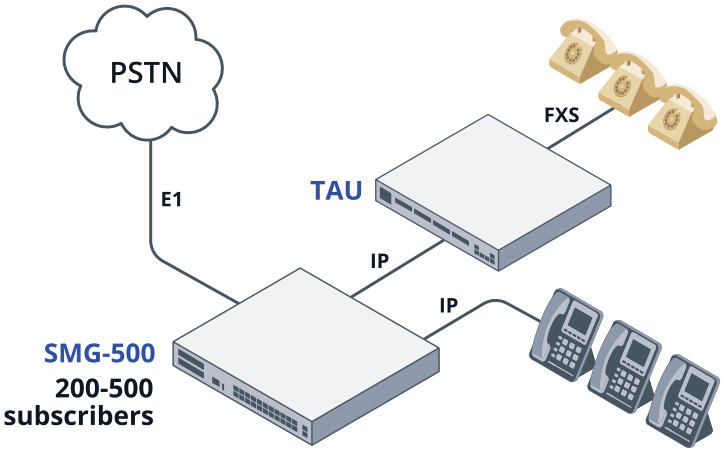
Equipment

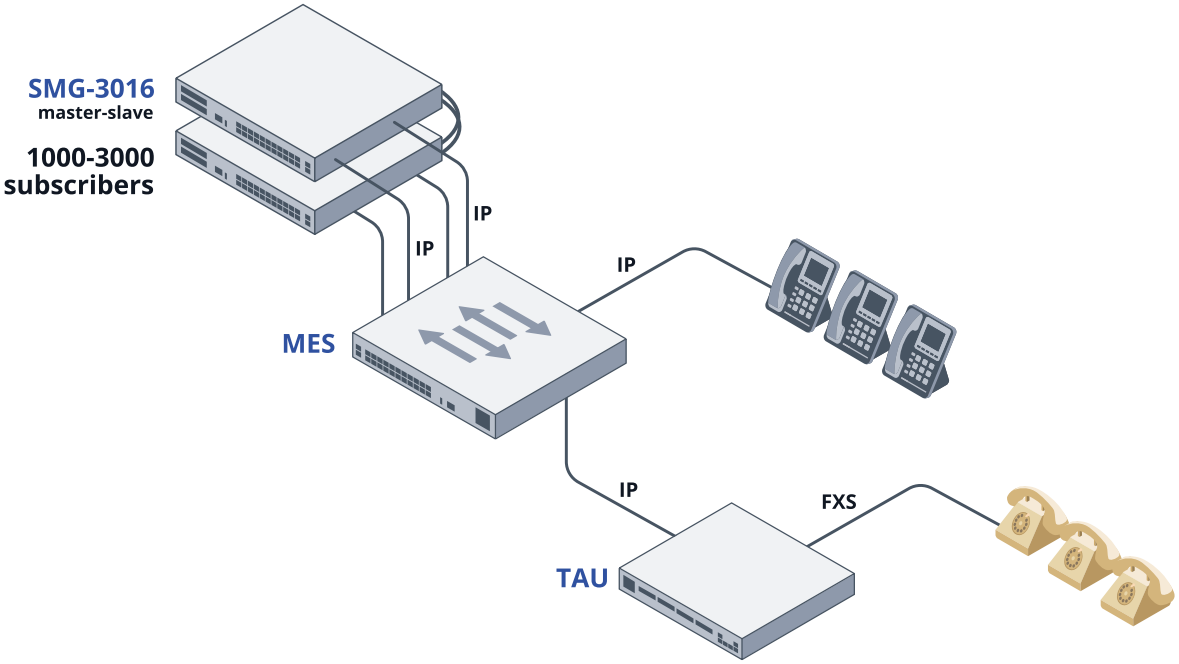
- SMG-200
- SMG-500
- SMG-3116
- MES
- TAU
- VP

Benefits

- Easy management
- Unified monitoring and management system
- Automatic configuration of subscribers equipment







Organization of a communication network for 10,000+ subscribers

Objective

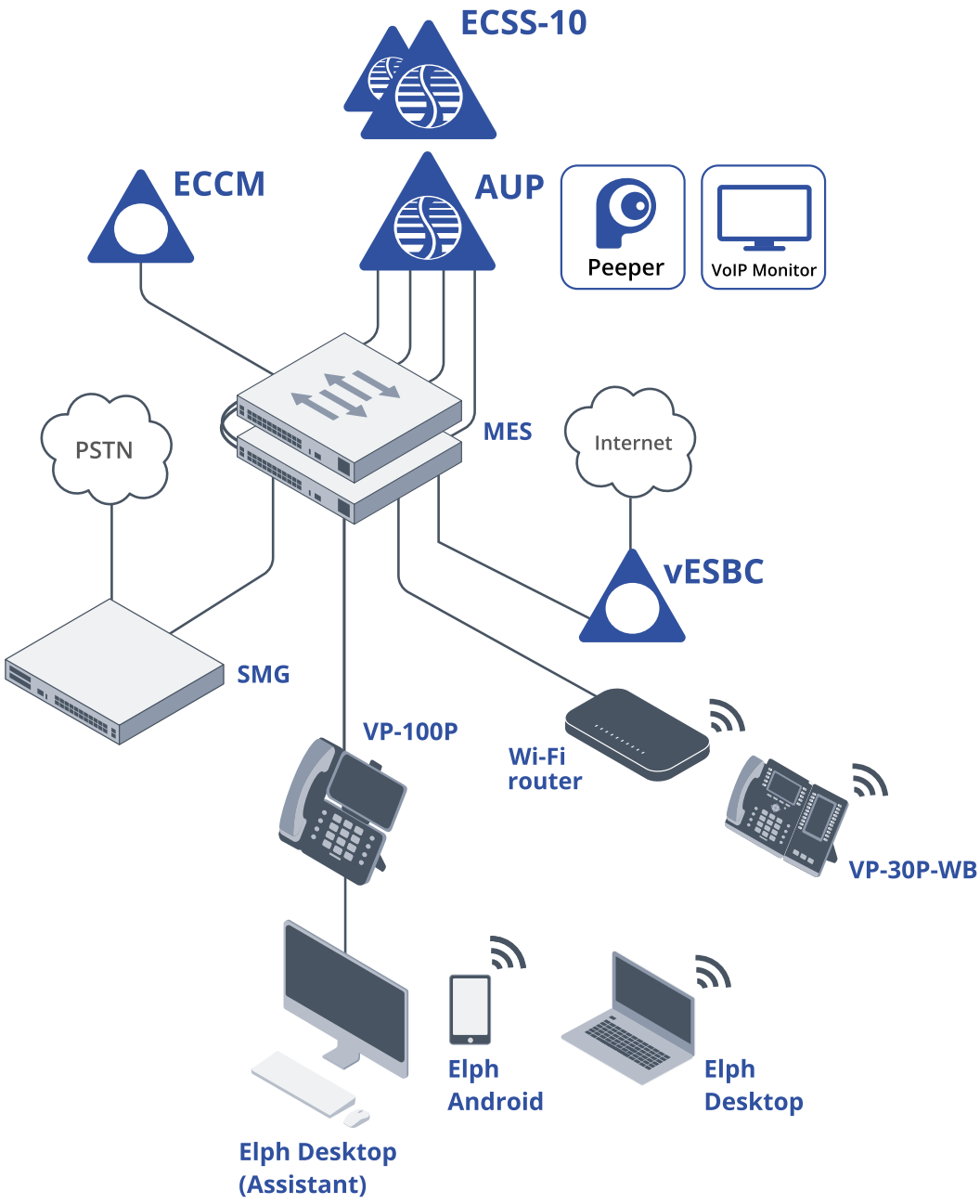
Organization of a fault-tolerant communication network for 10,000+ subscribers

Equipment

- ECSS-10
- MES
- SMG-3116
- vESBC
- VP-30P-WB
- VP-100P
- Peeper
- VoIP Monitor

Benefits

- Wide range of available services
- Automatic configuration of subscribers equipment
- High level of fault tolerance
- Unified monitoring and management system



Elph unified communications

Objective

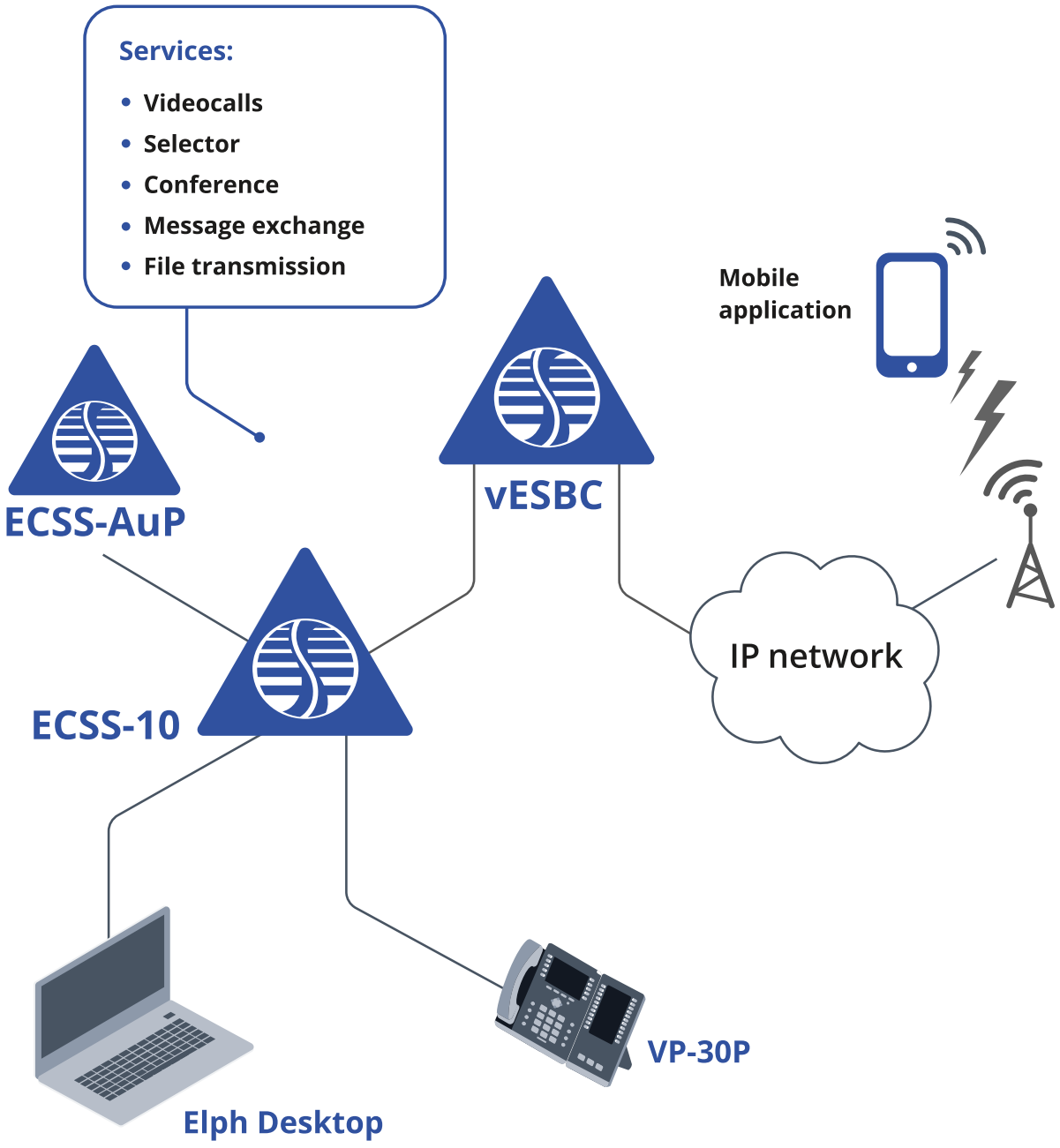
Organization of a modern network with a full range of services

Equipment

- Elph
- ECSS-10 Softswitch
- vESBC virtual session border controller

Benefits

- Support for “Auto Attendant” service
- Desktop and Web application
- Mobile application (iOS, Android)
- Autoconfiguration system for IP phones and mobile clients
- Corporate network security with SBC



Elph Nova collaboration platform

Objective

Organization of a digital office, provision of collaboration tools

Equipment

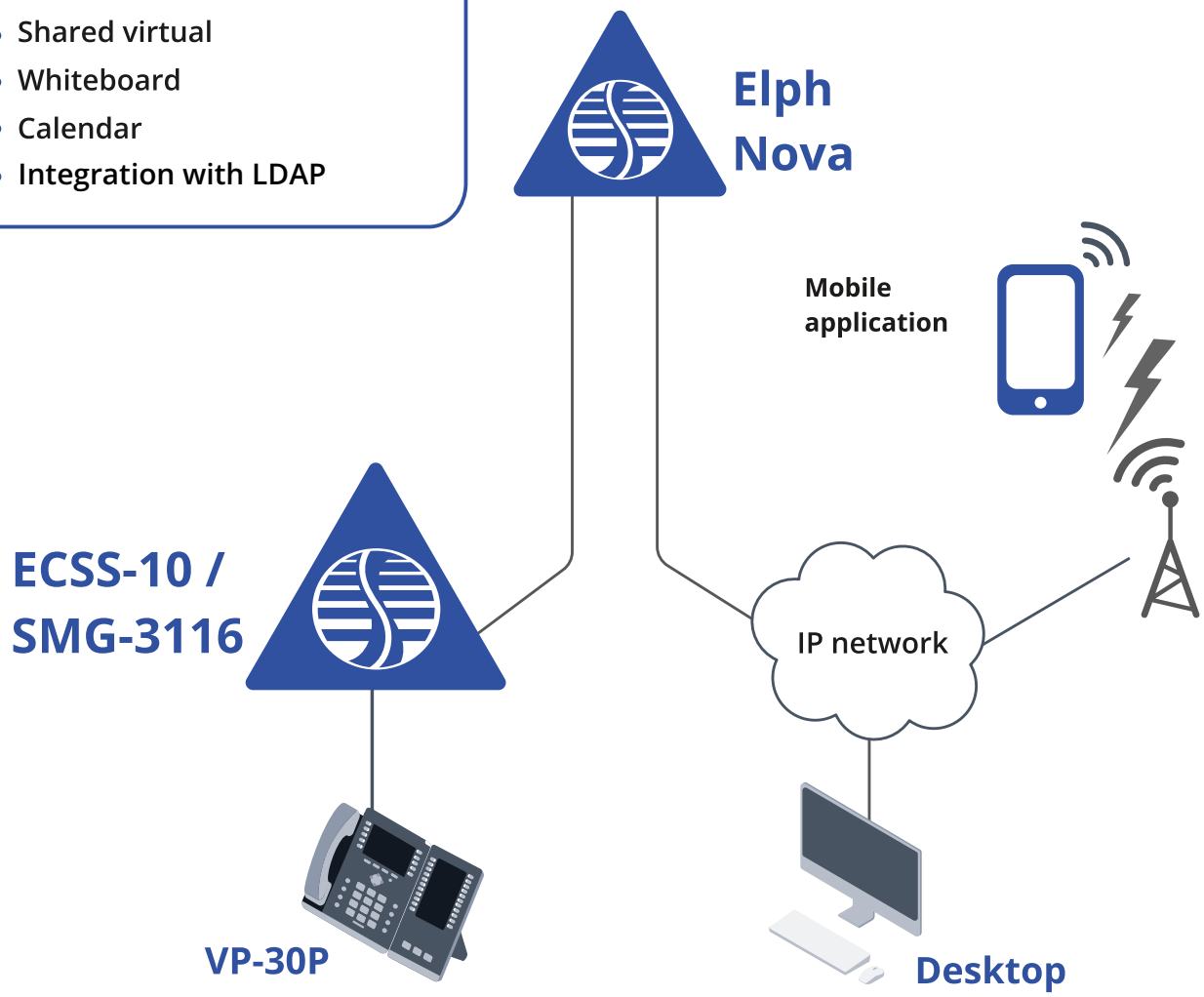
- Elph Nova
- ECSS-10 / SMG-3116

Benefits

- Collaboration tools
- Corporate workplace mobility
- Mobile application (iOS, Android)
- Desktop and Web application
- High level of fault tolerance
- Communications security

Services:

- Video and audio conferences
- Screen sharing
- Message exchange
- File transmission
- Shared virtual
- Whiteboard
- Calendar
- Integration with LDAP



VoIP Monitor

The system provides VoIP call quality monitoring without significant infrastructure costs. It enables users to quickly identify audio quality issues, analyze network load, and audit communications.

Functions

- Call quality monitoring
- Real-time traffic analysis
- Data recording and storage
- Alerts and reporting
- Process visualization

Key benefits

- **Flexible configuration** – support for filters, alerts, and integrations
- **Detailed analysis** – from low-level packets to high-level quality metrics (Backlog 2026)
- **Compatibility** – works with Eltex ECSS, Eltex SMG, Asterisk, FreePBX, and other SIP systems

Useful for

- VoIP administrators: monitoring and diagnostics
- Technical support engineers: prompt identification and resolution of connectivity issues
- Network infrastructure specialists: traffic analysis and network optimization (Backlog 2026)
- IT department managers: monitoring the quality of VoIP services and reporting (Backlog 2026)

IPTV Set-top boxes

About 2.5 million Eltex STBs have already been installed by IPTV operators.

Benefits:

- Remote configuration
- Customization
- AppStore server, ACS-Box
- Customized hardware and software locking
- Voice control

NV-series Smart TV set-top boxes allow users to watch streaming multimedia and video content, as well as to install games and applications for Android.

Why do operators recommend purchasing a Smart TV set-top box?

- The high-quality image transmitted by the Smart TV set-top box provides users with an enjoyable viewing experience when watching videos, clips, and movies.
- An easy-to-use, multifunctional and convenient media player with IPTV support can easily replace outdated cable TV.
- The media center is compatible with various popular video streaming services. The device is capable of playing content over a local network or from USB storage devices. It functions easily even without internet access.

	Basic		Wi-Fi + BT	
	NV-731	NV-730	NV-731-WB	NV-730-WB
RAM	1 GB	2 GB	1 GB	2 GB
Flash	8 GB	8 GB	8 GB	8 GB
OS	Android 11	Android 11	Android 11	Android 11
4K	4Kp60	4Kp60	4Kp60	4Kp60
USB 2.0	2	2	2	2
HDMI	v2.1	v2.1	v2.1	v2.1
HEVC	H.265 L5.2	H.265 L5.2	H.265 L5.2	H.265 L5.2
Wi-Fi			802.11a/b/g/n/ac	802.11a/b/g/n/ac
Bluetooth			5.0 (BT)	5.0 (BT)
MicroSD	●	●	●	●
Additional equipment	IR remote control, RCA cabel	IR remote control, RCA cabel	IR remote control, RCA cabel, Bluetooth voice remote control	IR remote control, RCA cabel, Bluetooth voice remote control

Home devices

	NTU-RG-5521G-Wax Wi-Fi router	NTU-RG-5520G-Wax rev.B Wi-Fi router
		
RAM	512 MB	512 MB
Flash	128 MB	128 MB
OS	Linux	Linux
LAN	4×1G	4×1G
WAN	1×GPON	1×GPON
Wi-Fi	2.4 GHz 802.11ax MIMO 2×2 5 GHz 802.11ax MIMO 2×2	2.4 GHz 802.11ax MIMO 2×2 5 GHz 802.11ax MIMO 2×2
USB 3.0	●	
EasyMesh support	●	●

	RR-11 repeater	RG-5440G-Wac Wi-Fi router	RG-5510G-Wax Wi-Fi router	RG-5710L Wi-Fi router	RG-5720L Wi-Fi router
					
			Under development	Under development	Under development
RAM	128 MB	256 MB	256 MB	256 MB	256 MB
Flash	16 MB	128 MB	128 MB	128 MB	128 MB
OS	Linux	Linux	Linux	Linux	Linux
LAN	1×1GE	4×1G	3×1G	3×1G	4×1G
WAN		1×1G	1×1G	1×1G	1×2.5G
Wi-Fi	2.4 GHz 802.11b/g/n MIMO 2×2 5 GHz 802.11a/n/ac MIMO 2×2	2.4 GHz 802.11b/g/n SU MIMO 2×2 5 GHz 802.11a/n/ac MU-MIMO 4×4	2.4 GHz 802.11a/b/g/n/ax MU-MIMO 2×2 5 GHz 802.11a/n/ac/ax MU-MIMO 2×2	2.4 GHz 802.11b/g/n/ax/be MU-MIMO 2×2 5 GHz 802.11a/n/ac/ax/be MU-MIMO 2×2	2.4 GHz 802.11b/g/n/ax/be MU-MIMO 2×2 5 GHz 802.11a/n/ac/ax/be MU-MIMO 2×2
USB 2.0	●	●	●	●	●
EasyMesh support	●	●	●	●	●

PACS network controllers

	 IPA-ER-010	 IPA-ER-011	 IPA-ER-020
Executive device relay output (NO-COM-NC)	1	2	2
Management interface	Ethernet 10/100BASE-T (RJ-45)	Ethernet 10/100BASE-T (RJ-45)	Ethernet 10/100BASE-T (RJ-45)
Wiegand	1	2	2
Digital relay output for low loads	1	2	2
“Dry contact” digital input	2	4	4
Digital input for external opening sensor	1	1	1
1-Wire	1	2	2
Fire alarm input	1	1	1

Smart home devices

	 SH-130 smart home hub	 SH-131 smart home hub	 SH-131 Pro local center Under development
RAM	1 GB DDR4	1 GB DDR4	2 GB DDR4
OS	Linux	Linux	Linux
WAN	1×10/100BASE-T / Wi-Fi	1×10/100BASE-T / Wi-Fi	1×10/100BASE-T / Wi-Fi
Wi-Fi	2.4 GHz, 5 GHz, 802.11 a/b/g/n/ac/ax 2T2R MIMO	2.4 GHz, 5 GHz, 802.11 a/b/g/n/ac/ax 2T2R MIMO	2.4 GHz, 5 GHz 802.11 a/b/g/n/ac/ax MIMO 2×2
Bluetooth 5.2	●	●	●
USB 2.0	2	2	3
Z-Wave protocol	Yes, built-in		
Zigbee protocol	Yes, built-in	Yes, built-in	Yes, built-in
Matter over Thread protocol	●	●	●
Matter over Wi-Fi protocol	●	●	●
IR receiver/transmitter	●	●	●
SD card slot			●

Smart home devices

	SW-RLY01 Wi-Fi lighting control relay	SW-RLY02 Wi-Fi lighting control relay	SW-RLY11 Wi-Fi lighting control relay	SW-RLY12 Wi-Fi lighting control relay
WLAN	IEEE 802.11 b/g/n 2.4 GHz	IEEE 802.11 b/g/n 2.4 GHz	IEEE 802.11 b/g/n 2.4 GHz IEEE 802.11 n 5 GHz	IEEE 802.11 b/g/n 2.4 GHz IEEE 802.11 n 5 GHz
Operating voltage	230 V	230 V	230 V	230 V
Connection type	No neutral line	With neutral line	No neutral line	With neutral line
Number of channels	2	2	2	2
Maximum load per channel	800 W	800 W	800 W	800 W
Dimensions	43.5×18×43.5 mm	43.5×18×43.5 mm	43.5×18×43.5 mm	43.5×18×43.5 mm
Maximum LED load per channel	100 W	100 W	100 W	100 W
Maximum current per channel	3.5 A (resistive load)	3.5 A (resistive load)	3.5 A (resistive load)	3.5 A (resistive load)

	SW-IRC01 IR remote control	SW-PLG02 Wi-Fi socket	SW-PLG12 Wi-Fi socket
Protocol	Wi-Fi	Wi-Fi	Matter over Wi-Fi
WLAN	IEEE 802.11b/g/n, 2.4 GHz	IEEE 802.11 b/g/n 2.4 GHz	IEEE 802.11 b/g/n 2.4 GHz IEEE 802.11 n 5 GHz
Operating voltage		230 V	230 V
Connection type	USB-C, 5 V, 1 A	Type F plug	Type F plug
Maximum load		3000 W	3000 W
Dimensions	60×20 mm	51.5×80.5×38 (75) mm	51.5×80.5×38 (75) mm
IR signal transmission distance	Up to 20 m (without obstacles)		

	SZ-AIR-HT01 temperature and humidity sensor	SZ-SMK smoke detector	SZ-WLK water leak detector	ST-WLK water leak detector
Protocol	Z-Wave	Z-Wave	Z-Wave	Matter over Thread
Signal frequency	869 MHz	869 MHz	869 MHz	2.4 GHz
Signal range	Up to 100 m (without obstacles)	Up to 100 m (without obstacles)	Up to 100 m (without obstacles)	Up to 120 m (without obstacles)
Power supply	CR123A lithium battery, 3 V or 5 V DC from microUSB / 2×AAA	CR123A lithium battery, 3 V	CR123A lithium battery, 3 V	2×AAA, 1.5 V
Ingress protection	IP20	IP20	IP65	IP65
Dimensions	70×31 mm	119×38 mm	74×25 mm	74×25 mm
Operating temperature range	+5...+45 °C	+5...+45 °C	+5... +45 °C	+5... +45 °C
Operating humidity (at +40 °C)	No more than 93 %	No more than 93 %	No more than 93 %	No more than 93 %
Maximum RF signal strength	+14 dBm	+14 dBm	+14 dBm	+14 dBm

Smart home devices

SZ-PIR
wireless motion sensor

SZ-MCT
wireless magnetic contact door/window sensor

ST-MCT
wireless magnetic contact door/window sensor

Protocol	Z-Wave	Z-Wave	Matter over Thread
Signal frequency	869 MHz	869 MHz	2.4 MHz
Signal range	Up to 100 m (without obstacles)	Up to 100 m (without obstacles)	Up to 120 m (without obstacles)
Power supply	CR123A lithium battery, 3 V	CR123A lithium battery, 3 V	Li-ion CR123A, 3 V
Ingress protection	IP20	IP40	IP40
Dimensions	68×97×77 mm	21×96×21 mm	21×96×21 mm
Weight (incuding battery)	0.126 kg	0.03 kg	0.03 kg
Operating temperature range	+5...+45 °C	+5...+45 °C	+5...+45 °C
Operating humidity (at +40 °C)	No more than 93 %	No more than 93 %	No more than 93 %

SZ-SBR
smart switch

ST-SBR
smart switch

Protocol	Z-Wave	Matter over Thread
Signal frequency	869 MHz	2.4 GHz
Signal range	Up to 100 m (without obstacles)	Up to 100 m (without obstacles)
Power supply	CR2450 lithium battery, 3 V	CR2450 lithium battery, 3 V
Ingress protection	IP20	IP20
Dimensions	85×85×5 mm	85×85×5 mm
Weight (including battery)	0.08 kg	0.08 kg
Operating temperature range	+5...+45 °C	+5...+45 °C
Operating humidity (at +40 °C)	No more than 93 %	No more than 93 %

Devices under development

Housing under development

SW-LSC11
LED strip controller

ST-SMK
smoke detector

ST-PIR
wireless motion sensor

ST-AIR-HT01
temperature and humidity sensor

Customized cameras for home use

	Wi-Fi camera SV-CA213-W	Wi-Fi camera SV-CA204-W
		
Image sensor	1/3" CMOS	1/3" CMOS
Memory card	1×MicroSD (up to 128 GB)	1×MicroSD (up to 128 GB)
Lens	2.8 mm, F2.0	2.8 mm, F2.0
Resolution	2560 × 1440	2560 × 1440
Bit rate	32 Kbps – 10 Mbps	32 Kbps – 10 Mbps
IR illumination	5 m	5 m
Interface	IEEE 802.11b/g/n 2.4 GHz, 1 × 10/100BASE-T (RJ-45)	IEEE 802.11b/g/n 2.4 GHz
Motion sensor	Yes	Yes
Microphone	Yes	Yes
Speaker	Yes	Yes
PTZ	Yes	No
View angles	Horizontal FOV 100° Diagonal 116°	Horizontal FOV 100° Diagonal 116°

IP cameras

	IP camera SV-BA301-E	IP camera SV-BA401-E	IP camera SV-BA314-E	IP camera SV-BA414-E
				
Image sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Lens	2.8 mm, F2.0	2.8 mm, F2.0	2.8 mm, F2.0	2.8 mm, F2.0
Resolution	2560 × 1440	2560 × 1440	2560 × 1440	2560 × 1440
Bit rate	up to 10 Mbps	up to 10 Mbps	up to 10 Mbps	up to 10 Mbps
View angles	Horizontal FOV 100° Diagonal 116° Vertical 52°	Horizontal FOV 100° Diagonal 116° Vertical 52°	Horizontal FOV 100° Diagonal 116° Vertical 52°	Horizontal FOV 100° Diagonal 116° Vertical 52°
Minimum illumination	Color: 0.01 lx, bw: 0 lx	Color: 0.03 lx, bw: 0 lx	Color: 0.01 lx, bw: 0 lx	Color: 0.03 lx, bw: 0 lx
Speaker	Yes	No	No	No
IR illumination	40 m	30 m	40 m	30 m
Interface	10/100BASE-T (RJ-45) with PoE	10/100BASE-T (RJ-45) with PoE	10/100BASE-T (RJ-45) with PoE	10/100BASE-T (RJ-45) with PoE
Memory card	1×MicroSD (up to 512 GB)	1×MicroSD (up to 128 GB)	1×MicroSD (up to 512 GB)	1×MicroSD (up to 128 GB)
Ingress protection	IP66	IP67	IP67	IP66

IP cameras

	 Vandal-proof IP camera SV-BA331-E4C	 Vandal-proof IP camera SV-BB341Z-E2B(S)/E4D(S)	Under development Vandal-proof IP camera SV-BB351Z-E2B/E4D
		Under development	
Image sensor	1/2.7″ CMOS	1/2.8″ / 1/1.8″ CMOS	1/2.8″ / 1/1.8″ CMOS
Lens	2.8 mm, F2.0	2.7 to 13.5 mm	2.7 to 13.5 mm
Resolution	2560 × 1440	1920 × 1080 / 2560 × 1440	1920 × 1080 / 2560 × 1440
Bit rate	up to 10 Mbps	up to 10 Mbps	up to 10 Mbps
View angles	Horizontal 112.8° Diagonal 134.7°	Horizontal 30-108/45-110° Diagonal 34-130/51-133° Vertical 17-56/25-57°	Horizontal 30-108/45-110° Diagonal 34-130/51-133° Vertical 17-56/25-57°
Minimum illumination	Color: 0.01 lx, bw: 0 lx	Color: 0.005/0.002 lx, bw: 0 lx	Color: 0.005/0.002 lx, bw: 0 lx
Speaker	Yes	Yes	Yes
IR illumination	40 m	80 m	60 m
Interface	10/100BASE-T (RJ-45) with PoE	10/100BASE-T (RJ-45) with PoE	10/100BASE-T (RJ-45) with PoE
Memory card	1×MicroSD (up to 512 GB)	1×MicroSD (up to 512 GB)	1×MicroSD (up to 512 GB)
Protection	IK10, IP67	Surge protection, IK10, IP67	IK10, IP67

ELIS (Eltex IoT System)

ELIS (Eltex IoT System) is a complex for creating and managing smart homes. ELIS allows companies to include home automation in their set of services without need to develop their own IoT infrastructure and software.

The complex includes a software platform, hubs, Eltex smart devices and the Eltex Home mobile application.

Via the platform interface, it is possbile to configure and manage smart homes: create accounts, manage access, remotely update device software, set up customizable technical support, monitor the system status, etc.

- Open API
- Alarm monitoring
- Remote firmware update
- Analytics
- Support for Z-Wave, Zigbee, Wi-Fi, Matter over Wi-Fi, Matter over Thread
- User account management
- Smart Home devices monitoring
- Sending event notifications
- Device management
- Creating event notifications
- Interaction with video surveillance systems
- Ability to integrate with devices from other vendors

Eltex Smart Home center SL-10-WBZ

SL-10-WBZ is a local platform designed to organize a unified system for management, configuration and monitoring of IoT devices (sensors, cameras, etc.).

The main advantage of the local platform is the ability to work without Internet access within one object (house).

Key features:

- Smart Home devices monitoring
- Device management
- Sending event notifications
- Creating working scenarios for devices
- Video surveillance
- Open API
- Remote firmware update

Technical features:

- 1×10/100BASE-T (RJ-45)
- 3×USB 2.0
- 1×MicroSD
- Wi-Fi IEEE 802.11b/g/n 2.4 GHz, IEEE 802.11a/n/ac 5 GHz
- Smart Home management interface
- 2 GB RAM

Solutions for telecom operators

Objective

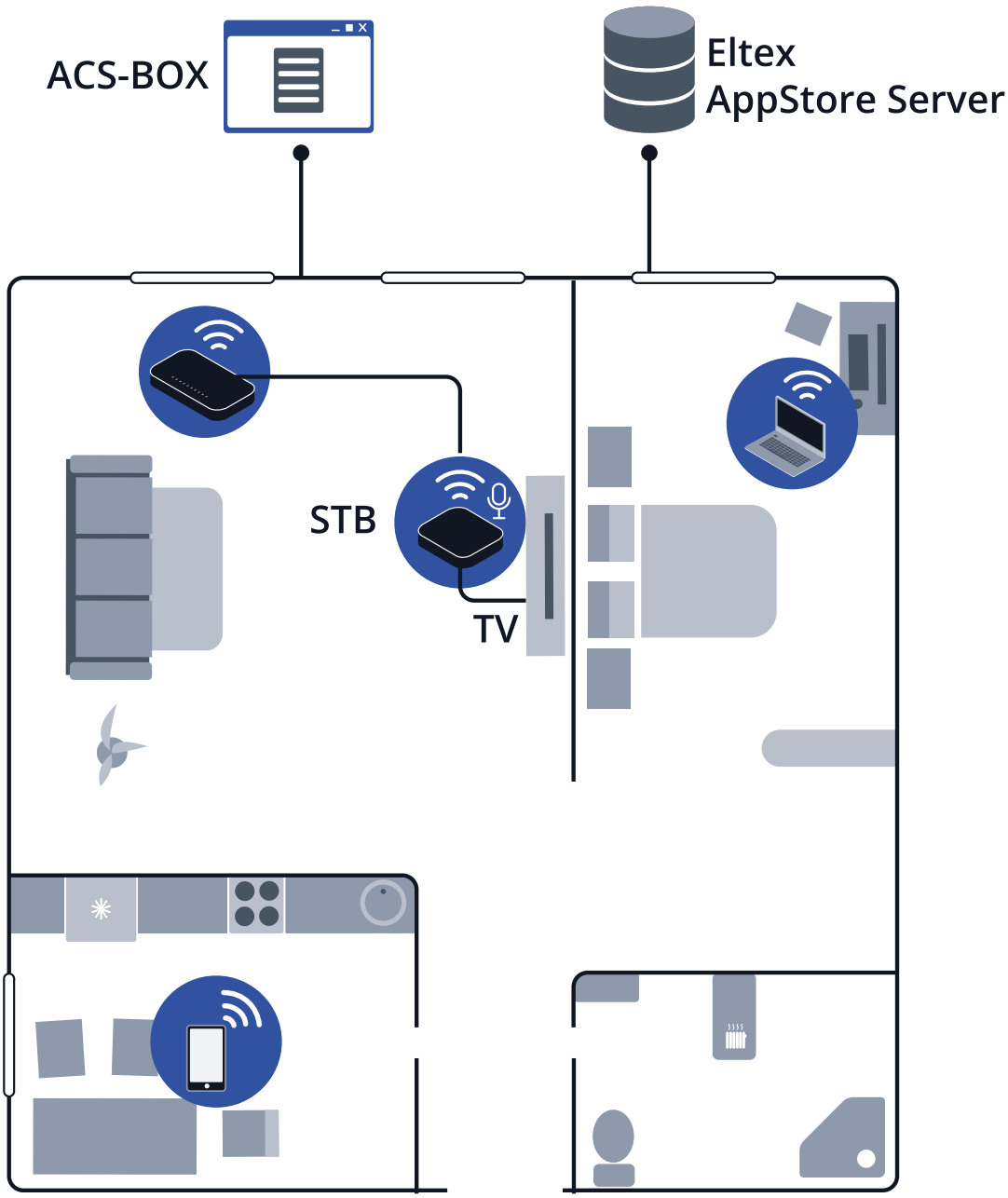
Providing users with IPTV service at a high level with available remote configuration, service quality assessment and operative bug fixes

Services

- Smart TV set-top boxes NV-730 and NV-731
- AppStore server
- Eltex.ACS-BOX
- Subscriber routers
  - RG-5440G-Wac/WZ
  - NTU-RG-5420G-Wac/WZ
  - NTU-RG-5440G-Wac/WZ

Benefits

- Remote configuration
- Customization
- AppStore
- Software-hardware locking upon customer's requirements
- Voice control



Corporate TV

Objective

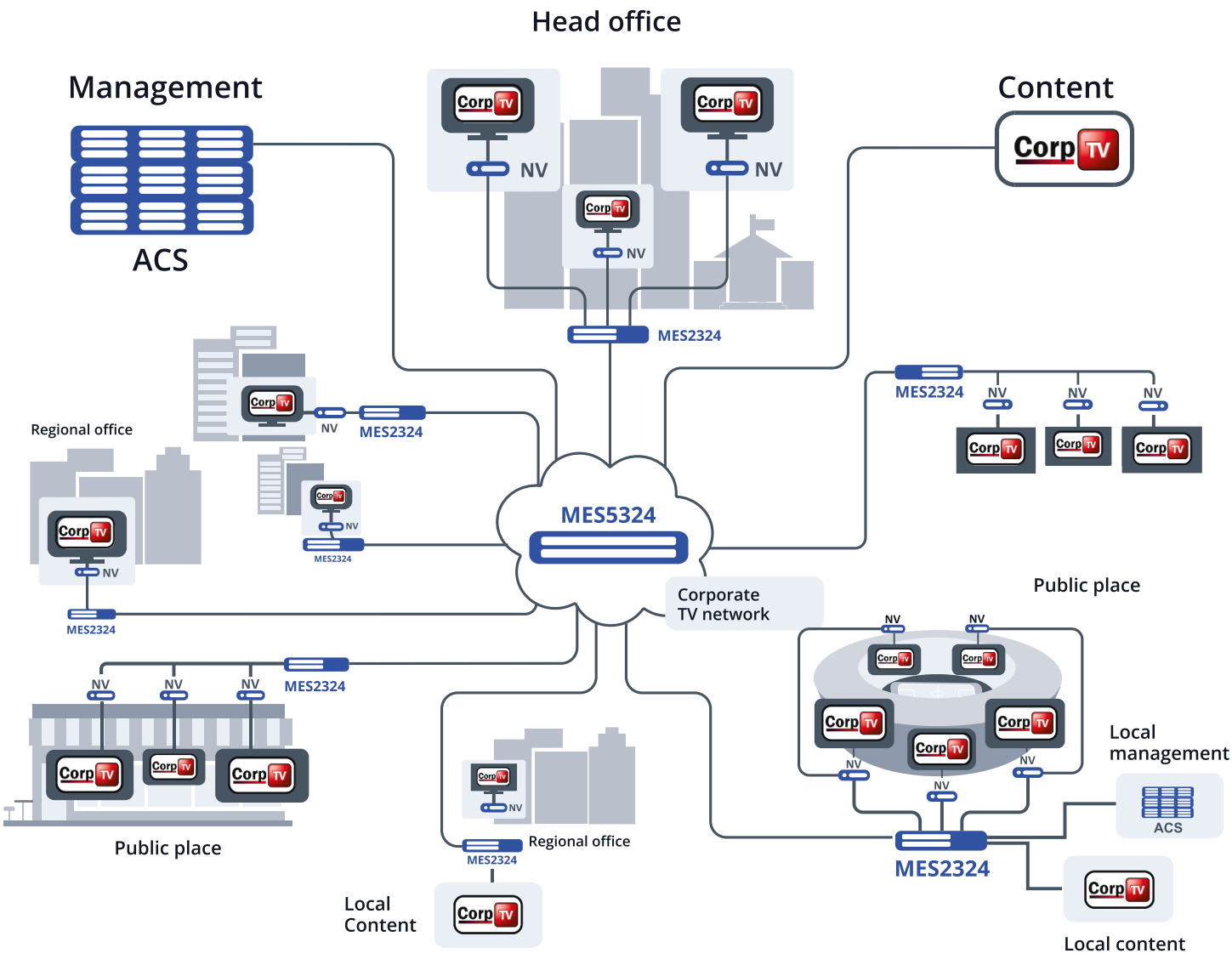
Providing corporate customers with equipment and management systems for CorpTV service to solve internal and external tasks

Services

- Smart TV set-top box NV-730
- Eltex.ACS management system
- Eltex.ACS-BOX

Benefits

- Ability to cooperate with CorpTV solutions, supplementing them with equipment and management software
- Formation of corporate culture
- Training
- Informing employees
- Promotional video broadcasting
- Informing clients
- Emergency notifications



Smart Home

Objective

Providing builders with Smart Home equipment

Services

- ELIS
- Hub system with Wi-Fi / Z-Wave /Matter over Wi-Fi / Matter over Thread protocol sypport
- Sensors
- Executive devices
- Eltex Home mobile application

Benefits

- Service providing on the basis of telecom operator existing infrastructure
- Potential subscriber binding
- User-friendly application
- Voice control (only for SH-10-WBZ, SH-130 + RG-5440G-Wac / WZ NTU-RG-5420G-Wac / WZ NTU-RG-5440G-Wac / WZ)
- Integration with voice assistants: Alice, Salute and Marusya (only for ELIS)

Eliminating Wi-Fi zones with a weak signal

Objective

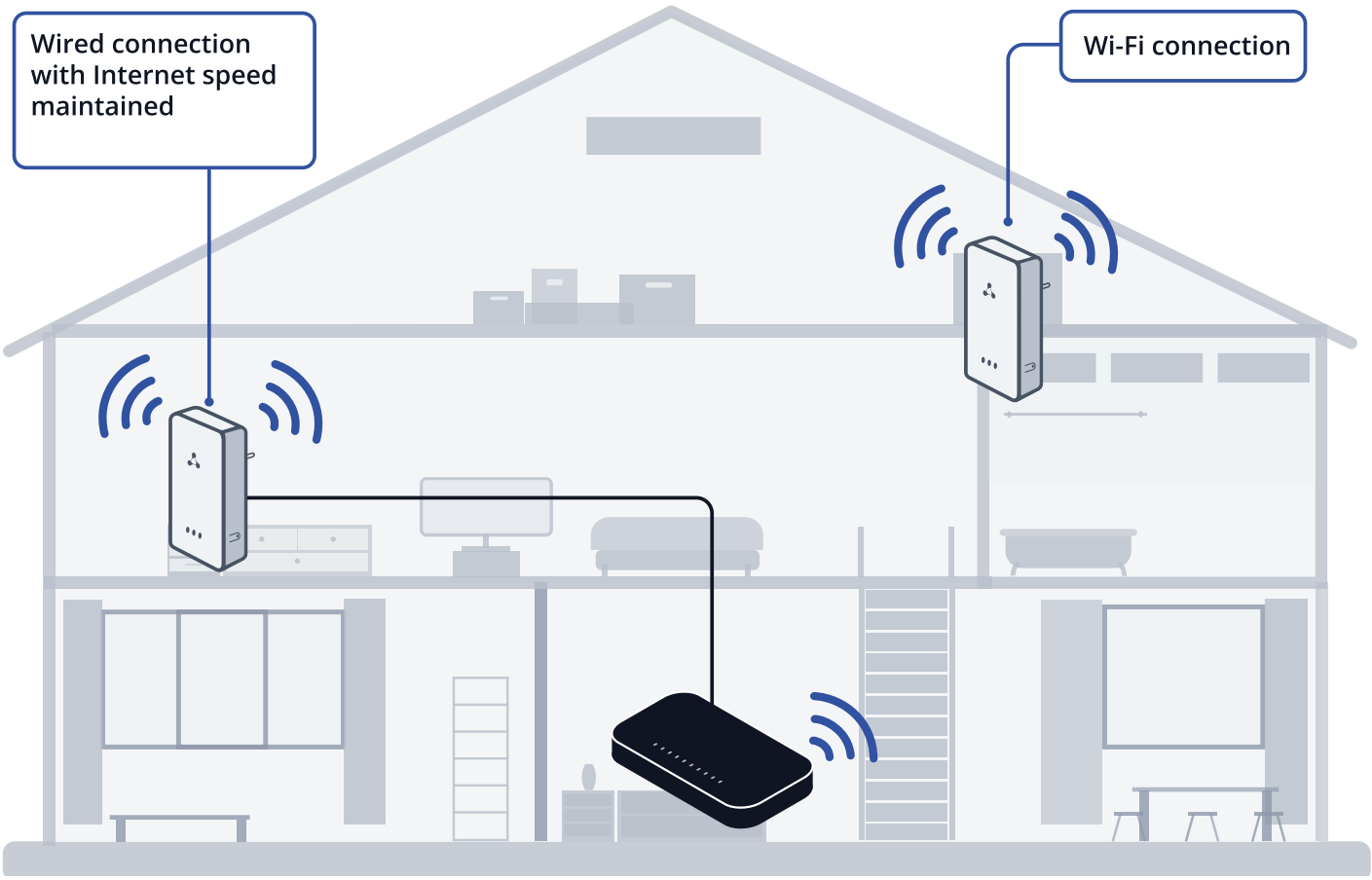
Coverage extension of home Wi-Fi network

Services

- Routers with EasyMesh (Ethernet, PON)
- Repeaters:
  – RR-10
  – RR-11

Benefits

- Guaranteed Wi-Fi coverage
- Decreasing subscriber calls to the telecom technical support related to Wi-Fi issues
- Self-optimizing wireless network
- Unified Wi-Fi network with a common name and password
- Moving between Wi-Fi zones without losing connection
- Unified intelligent network without "dead zones"



Software

EVI

EVI is a software platform for creating and managing security systems. EVI allows deploying corporate-level systems to control the perimeter and access to objects, meeting the requirements of organizations of any size and field of activity.

EVI Platform includes 3 functional modules:

Perimeter – module for centralized video surveillance at the facility

SCUD – module of the access control and management system designed for organizing access control

Analytics – module that provides additional features for video streams: automatic detection of security events, identification of people, car numbers, etc.

Functional capabilities

Video Surveillance. (EVI Perimeter module)

- Management via the EVI Perimeter client application for Windows and Linux
- Opportunity to connect via web interface
- Multi-camera view matrix customization, support for up to three monitors
- Support for Eltex and other vendors' camera
- Connection via RTP, RTSP protocols
- Multi-user access to functions
- Camera list import/export in CSV format
- Quick camera addition in accordance with ONVIF
- Support for H.264, H.265 codecs
- Support for multiple video streams from a single camera
- Video archive and access to it via the client application
- PTZ camera control

Access control. (EVI SCUD module)

- Interaction with Eltex IPA-ER controllers
- Management via the web interface
- Creating and editing employee accounts
- Configuring employee access rights by templates and calendar
- Ability to view logs and download log reports
- Employee access card system
- Employee access using face recognition technology
- Passing vehicles by license plate number detection
- Passing employees by access card
- Log system to register the employee arrival and departure time
- Registration of unauthorized access, door openings, emergency situations and other incidents

Video stream analytics. (EVI Analytics module)

- Motion detection
- Face recognition
- Object detection (cars)
- License plate number reading
- Interaction with EVI Perimeter and EVI SCUD modules

Software

ECCM

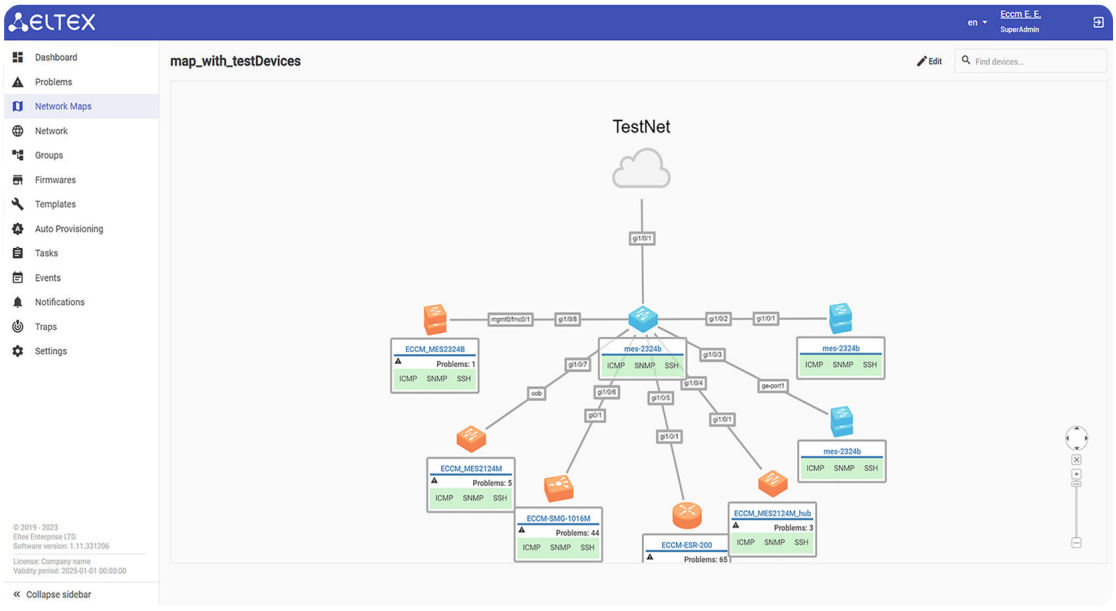
ECCM (Eltex Cloud Configuration Manager) is a system intended for inventory, management and monitoring of Eltex network equipment. The system helps to automate routine tasks for equipment configuration and upgrading, to perform continuous monitoring of network operation for quick response and troubleshooting.

Functions:

- Real-time device state monitoring with grafical display of metrics
- Automatic device detection and inventory
- Centralized firmware upgrade
- Creating a network map with automatic links discovery via LLDP
- Notifications for detected issues (email and telegram)
- Managing user access using LDAP
- Setting rights and roles of system users
- Selecting device groups with differentiation of access rights
- Connecting to the device command-line interface (CLI) via SSH using a terminal emulator
- Editing configuratons in web interface
- Group device configuration operations (compare, apply, reboot, generation of configurations based on Jinja2 templates

Compatibility

- MES series Ethernet switches
- ME series routers
- ESR series service routers
- Analog gateways
- Trunk gateways
- Wireless access controller WLC-15
- Wireless access controller WLC-30
- Wireless access controller WLC-3200



* Initialization, detection and scaling of IP factories will be available in future versions.

Software

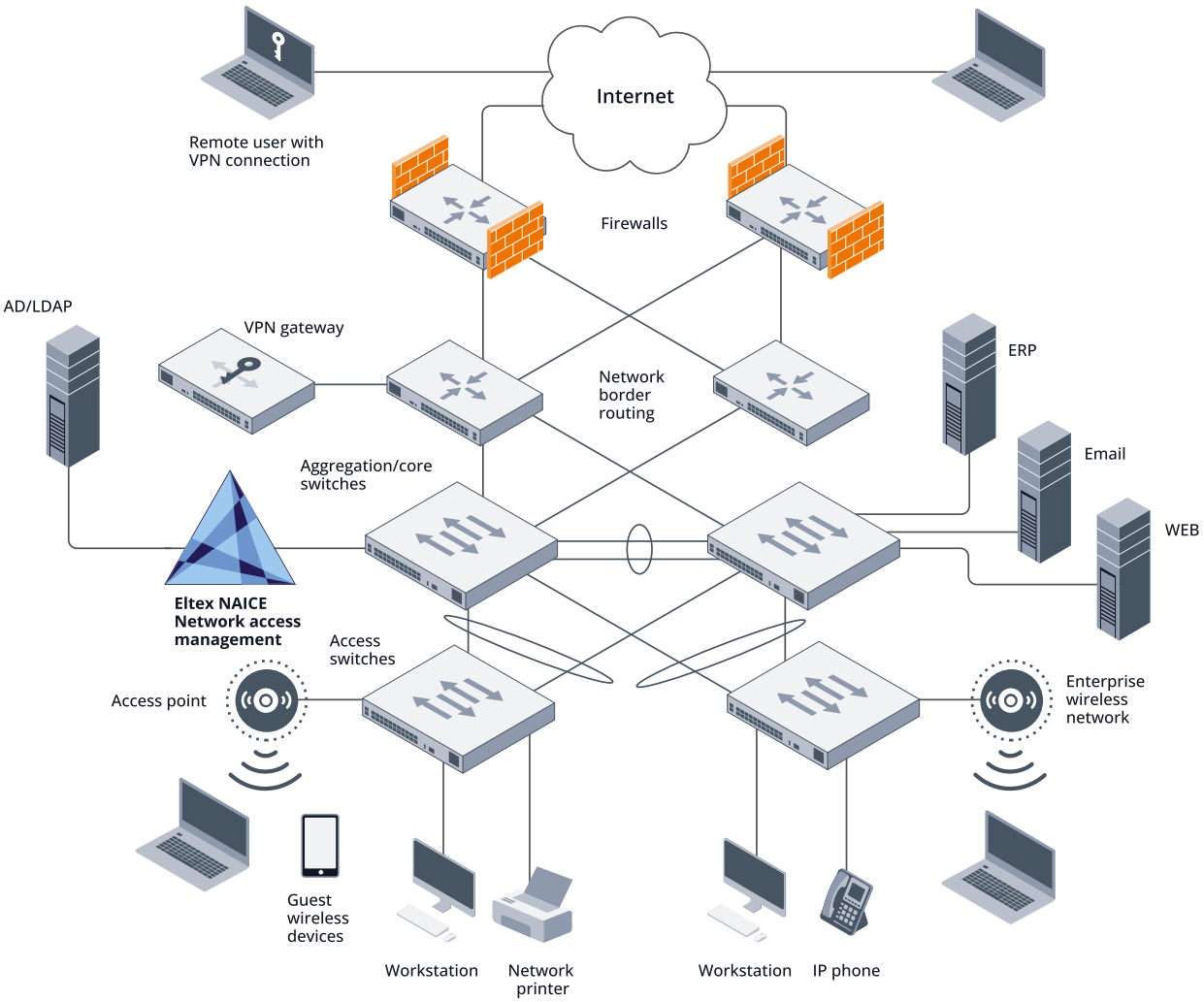
NAICE

NAICE is a software system that provides centralized management of user rights to access the network and its resources.

Administrators get flexible tools to create and implement access policies for various network resources such as servers, printers, etc. Feature-based segmentation allows efficient management of client connections and ensures network security.

Features

- Authentication and authorization via 802.1X and MAB
- Authentication and authorization via MS Active Directory and LDAP
- Captive Portal
- Profiling by MAC-OUI and DHCP probes
- Certificate-based authentication (EAP-TLS)
- Logging of access events
- System performance monitoring
- 1+1 active–standby redundancy
- Transmission of connection events to external systems
- Administrator authentication and authorization via TACACS+ (including command-level access control)



Software

Peeper

Peeper is a monitoring system for Eltex software products, designed for real-time assessment of system's internal state based on external performance indicators*.
Peeper enables early detection and prevention of potential incidents across servers and client applications. In case of an incident, Peeper provides all necessary data in one place for efficient troubleshooting.

Features

- Collection and storage of metrics and logs
- Data visualization through built-in dashboards, charts, graphs, and tables
- Alerts triggered by metrics
- Autodiscovery of metric sources
- Autoprovision of dashboards and alerts
- Preconfigured dashboards and alerts for all supported Eltex software products, system dashboards and alerts for Linux, Docker, Postgres, and MySQL (MariaDB)

Compatibility with Eltex products

- ECCM
- NAICE
- SoftWLC
- ECSS-10

* The system is supplied exclusively as a module for compatible Eltex software solutions and is not offered as a standalone product.

Software

vESR

vESR is a virtual service router, the software equivalent of Eltex ESR series hardware service routers. vESR provides the same capabilities with the flexibility of deployment and use in virtual environments.

The virtual router can be deployed in enterprise networks of any size, hybrid infrastructures, or laboratory stands for developing new services.

It can operate as a standalone solution or complement physical infrastructure, for example, to provide gateway redundancy or load balancing.

Features

- L3 advanced functions
- Enterprise network protection at hardware level
- Secure encrypted connections and remote access via OpenVPN, L2TPv3, IPsec, IPIP, GRE, and other protocols
- Traffic management and load balancing tools
- Flexible management and monitoring options: CLI, SNMP (RMONv1), Telnet, SSH (IPv4/IPv6)
- Integration with ECCM network management system for centralized administration and management of all connected network devices via a single interface
- Even traffic distribution, prevention of overload on individual links and routes
- VRRP v2/v3 support for high availability and continuous network operation in case of primary gateway failure

Technical features

Option*	Performance	RIP BGP	RIP OSPF	RIB IS-IS	RIB RIP	VPN
FREE	1 Mbps	1024	1000	1000	1000	2
BASIC	100 Mbps	512k	500k	500k	10k	6
BASIC +	500 Mbps	512k	500k	500k	10k	12
STANDARD	1 Gbps	768k	500k	500k	10k	24
STANDARD +	5 Gbps	1024k	500k	500k	10k	64
ADVANCED	10 Gbps	2048k	500k	500k	10k	64
ADVANCED +	25 Gbps	4096k	500k	500k	10k	64
PREMIUM	50 Gbps	5000k	500k	500k	10k	256
PREMIUM +	100 Gbps	5000k	500k	500k	10k	256

* Subscription validity period is 1.

Software

Eltex.EMS

Centralized network equipment management system

- Monitoring of main device parameters
- Real-time display of device alarms in text and graphical formats
- Grouping of line terminals into nodes with the ability to view all alarms for a selected node
- Automatic discovery of Eltex devices on the network

Eltex.ACS

Subscriber device management system

- Automatic configuration and dynamic provisioning
- Monitoring of device status and performance
- Firmware version management
- Centralized firmware updates
- Creating scheduled tasks

Maintenance service

Technical support

Technical support includes consulting services on Eltex equipment operation.

Free technical support is provided without a contract and has no regulated response time.
Paid technical support is provided to customers who acquire a service contract (SC).

Services provided:

- Technical advice on equipment, as well on diagnistics and troubleshooting methods
- Resolving requests for new firmware versions

Service plans

Option	Free	Priority standard	Priority premium
Validity period	Termless	1 year / 2 years / 3 years / 5 years	1 year / 2 years / 3 years / 5 years
Number of requests	Unlimited	Unlimited	Unlimited
Serial number reference	Mandatory	Mandatory	Mandatory
Service hours	Mon–Fri 9 a.m – 6 p.m (GMT+7)	Mon–Fri 9 a.m – 6 p.m (GMT+7/GMT+3)	24/7
Response time/ priority	In turn	Critical: 30 working minutes High: 4 working hours Medium: 8 working hours Minimal: 2 working days	Critical: 30 minutes High: 1 hour Medium: 4 hours Minimal: 24 hours

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