

CATALOG'20



Russian designer and manufacturer
of communication equipment



- **28 years of experience** in designing and manufacturing telecommunication equipment
- More than **750 employees**
- **14 software 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 1500 client companies**

1

Development

- Hardware
- Software

2

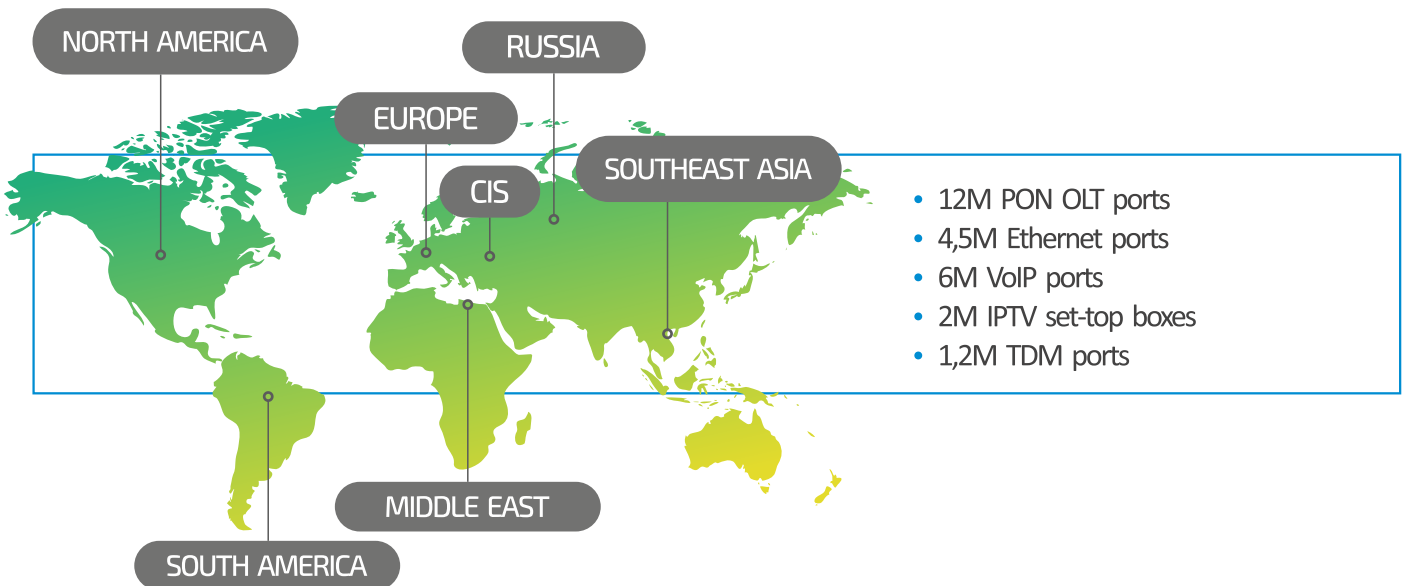
Manufacture

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

3

Maintenance

- Technical support
- Service center
- Software updating
- Repair



- 12M PON OLT ports
- 4,5M Ethernet ports
- 6M VoIP ports
- 2M IPTV set-top boxes
- 1,2M TDM ports





ME SERIES UNIVERSAL ROUTERS



The routers are included in ME5000 series and have the uniform software and management interfaces. ME5100 devices support for full range of functions – IPv4/IPv6 routing, hierarchic QoS, IP Multicast routing as well as L2 and L3 MPLS services.

	ME5100	ME5200	ME5000
Form factor	19", 2U Eurorack	19", 2U Eurorack	19", 15U Eurorack, modular
Crate contents			<ul style="list-style-type: none"> • up to 2 management and switching modules (FMC) • up to 12 linear cards
Performance	300 Mpps 200 Gbps	720 Mpps 720 Gbps	Up to 2.8 Tbps on the crate with installation of two FMC16 modules
Functional parameters	<ul style="list-style-type: none"> • CPU 1500 MHz • 8 GB RAM • Up to 1M IPv4, up to 512K IPv6 routes • Up to 12K MPLS pseudowires • 250K MAC addresses • 4K Bridge domains • 4K sub interfaces • 96K queues 	<ul style="list-style-type: none"> • CPU 1500 MHz • 16 GB RAM • Up to 4.2M IPv4, up to 2.8M IPv6 routes • Up to 16K MPLS pseudowires • 750K MAC addresses • 4K Bridge domains • 8K sub interfaces • 128K queues 	<p>For LC18XGE:</p> <ul style="list-style-type: none"> • Up to 1M IPv4, up to 512K IPv6 routes • Up to 12K MPLS pseudowires • 250K MAC addresses • 4K Bridge domains • 4K sub interfaces • 96K queues <p>For LC20XGE/LC8XLGE:</p> <ul style="list-style-type: none"> • Up to 4.2M IPv4, up to 2.8M IPv6 routes • Up to 16K MPLS pseudowires • 750K MAC addresses • 4K Bridge domains • 8K sub interfaces • 128K queues • Management modules redundancy • Graceful restart/Non-stop forwarding • In-service software upgrade (ISSU)
Interfaces	<ul style="list-style-type: none"> • 20x10GBase-R/1000Base-X (SFP+) 	<ul style="list-style-type: none"> • 32x10GBase-R/1000Base-X (SFP+) • 4xdual-rate 100GBase-R (QSFP28) 	<ul style="list-style-type: none"> • LC18XGE: 18x10GBase-R/1000Base-X (SFP+) • LC20XGE: 20x10GBase-R/1000Base-X (SFP+) • LC8XLGE: 4x40GBase-R (QSFP+) + 4xdual-rate100GBase-R/40GBase-R (QSFP28)