ASTRADRIVE
AstraMUX-GE8

AstraMUX-GE8 is an industrial switch for mobile projects, providing connectivity and traffic balancing in various scenarios in the backhaul and mobile network parts.

Supports brand new software modifications, new algorithms and DRIVE network technology for aggregation and quick switching of the moving objects.

Designed specifically for 19" rack mounting, this switch supports the installation of additional ports modules to connect large number of devices without the need for additional equipment.
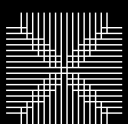
Network interfaces	8x RJ45 Gigabit Ethernet
Mounting options	19'' rack mount
Processor	Intel® Xeon® D2100

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TECHNICAL SPECIFICATION

Network interfaces	8x RJ45 Gigabit Ethernet
Interface speed	10/100/1000 Mbps
Ethernet controller	Intel® i350-AM4
Dimensions and weight	438 x 510 x 44 mm, 8.6 kg
Mounting options	19'' rack mount
Power consumption	up to 450W 1+1 Redundant PSU
Power options	AC 110~240V @47~63 Hz
Serial Port	1x RJ-45
Cooling	processor: passive CPU heatsink system: 4 x swappable smart fans

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TECHNICAL SPECIFICATION

Processor Option	Intel® Xeon® D2100
Core Number	8-16
Chipset	SOC
System memory	technology: DDR4 2666MHz REG DIMM maximum capacity: 512 GB socket: 4 x 288-pin DIMM
Operating temperature	from 0°C to +40°C
Humidity	5%~95% RH
Internal RTC with Li Battery	Yes
Watchdog	Yes
Standard compliance	RoHs, CE / FCC Class A, UL
Compatible NIC Modules	EXT-S8; EXT-GE8; EXT-GE8POE

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NETWORKING FEATURES

Switching

- Full-fledged 2nd layer switch
- VLAN 802.1Q, 802.1ad
- IGMP Snooping
- MAC/IP filtering, L2/L3 Firewall
- STP, RSTP support

Routing

- ARP protocol support
- NAT (multipool, H.323-aware)
- DHCP client/server/relay
- ODR routing protocol
- RIPv2 / OSPFv2 /static routing
- Ethernet-over-IP and IP-over-IP tunnels

Quality of Service

- IEEE 802.1p, IP TOS/DiffServ support
- 17 priority queues
- Full voice support
- Auto priority of multicast
- Traffic limiting (absolute, relative)

Own network infrastructure

- Proprietary MINT network protocol
- Pseudo-radio interface

MANAGEMENT AND SECURITY

Management features

- Various Management Protocols: HTTP, HTTPS, SSH, Telnet, SNMP v1/2c/3 (MIB-II and proprietary MIBs)
- Graphical User Interface
- Automatic software update
- Online monitoring with proprietary EMS NEXT

Safety & Security

- Storm/flood protection
- Password protection
- Secure CLI access via SSH protocol
- AES-128/256 (pending)

LED Indication

- Power status , interface status and speed, storage

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