ASTRADRIVE
AstraMUX-GE4-S2

AstraMUX-GE4-S2 is an industrial switch for mobile projects, providing connectivity and traffic balancing in the backhaul part of the network.

AstraMUX-GE4-S2 supports brand new software modifications, new algorithms and DRIVE network technology for aggregation and quick switching of the moving objects.

This compact, rugged switch with Intel® Atom™ processing power and two SFP ports ensures uninterrupted connectivity between fixed wireless equipment and fibre backhaul without the need for media converters.

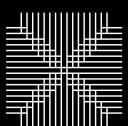|	
Network interfaces	4x RJ45 Gigabit Ethernet
	2x SFP Gigabit Ethernet
Mounting options	Desktop
Processor	Intel® Atom® C3708 (Denverton)

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TECHNICAL SPECIFICATION

Network interfaces	4x RJ45 Gigabit Ethernet 2x SFP Gigabit Ethernet
Interface speed	10/100/1000 Mbps
Ethernet controller	RJ45 Intel® SoC Integrated MAC SFP Intel® i210 (By SKU)
Dimensions and weight	310 x 240 x 44 mm, 3 kg
Mounting options	desktop
Power consumption	up to 36W
Power options	12V, 5A, 9~54V DC
Serial Port	1x Mini USB
Cooling	processor: passive CPU heatsink system: fanless design with corrugated aluminum

TECHNICAL SPECIFICATION

Processor Option	Intel® Atom® C3708 (Denverton)
Core Number	8
Chipset	SOC
System memory	technology: DDR4 up to 2400MHz ECC maximum capacity: 64 GB socket: 2 x 260-pin SODIMM
Operating temperature	from -40°C to +60°C
Humidity	5%~95% RH
Internal RTC with Li Battery	Yes
Watchdog	Yes
Standard compliance	RoHs, CE / FCC Class A, UL

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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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