

Agema Open Networking Platform AG6248C POE

Designed for high density Layer 3 Gigabit Ethernet UPOE/POE+ wiring closet applications, the AG6248C POE delivers a feature rich and cost effective solution to enable IEEE 802.3at compliant end-point devices.

The AG6248C POE is configured with 48 x 1GBase-T RJ45 ports and 2 x 10GE SFP+ Uplinks. The device is pre-loaded with ONIE (Open Network Install Environment) ready to support the customers choice of modular extensible Network Operating Systems (NOS) benefiting users to achieve future proof SDN capable solutions, network scalability, flexibility and cost effectiveness. It delivers 130Gbps of switching bandwidth and provides 1+1 resilient power in a very compact 1RU chassis.

POE Support

The AG6248C POE is configured with 48 x 10GBase-T RJ45 ports that support POE+. Ports 1-12 also support UPOE.

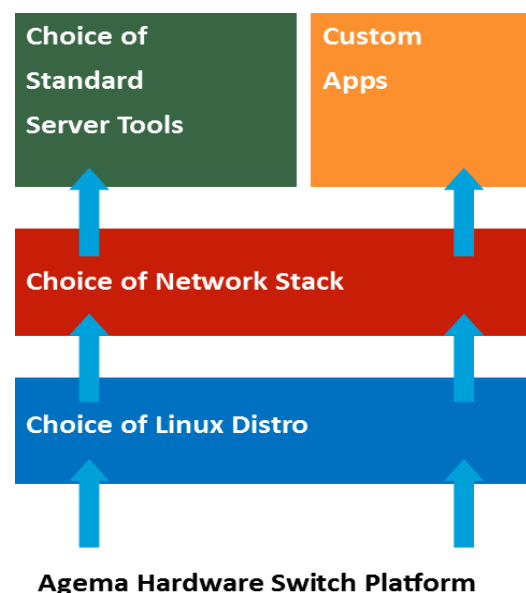
High Availability

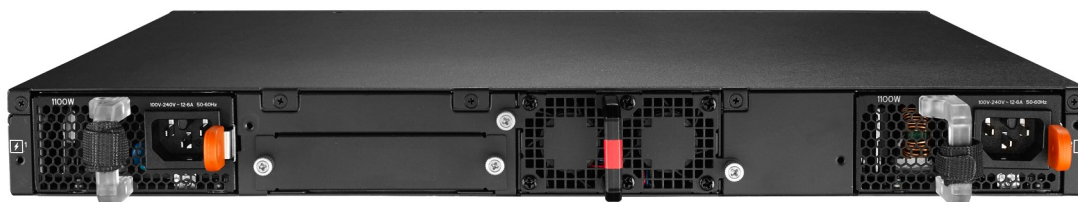
The AG6248C POE has two slots for hot-swappable PSUs (Power Supply Units) and 1 pluggable fan trays.

SFP/SFP+ Transceiver modules can be easily removed and replaced with no interruption to the network. These hot-swappable modules guarantee the continued delivery of essential services.

Key Features

- 1RU high-density 48x1G Copper + 2x10GE SFP+ uplink
- 2 SFP (1GE) combo (shared with 2 1GE Copper ports)
- 25W POE+ Supported on all Copper Ports, 60W UPOE supported on ports 1-12.
- Up to 130Gbps of switching I/O bandwidth and available non-blocking wire-speed switching fabric.
- Support for open automated configuration and zero-touch provisioning capabilities simplify the management of network environments.





Technical Specification

Ordering Information	Physical	Regulatory Compliance	Performance
2 x 10GbE SFP+ ports 48 x 1GBase-T RJ45 ports 2 combo SFP fiber ports 1 Serial console port 1 10/100/1000M RJ45 OOB Management port 1 USB Type-A 2 slots for PSUs 1 slot for fans Power Supplies & Fans 2 Hot-swappable AC power supply (shipped with single PSU) 1 Hot-swappable FAN tray supporting 2 fans Options: <ul style="list-style-type: none"> Bare Metal Only Fixed Configuration 	2 x 10GbE SFP+ ports 48 x 1GBase-T RJ45 ports 2 combo SFP fiber ports 1 Serial console port 1 10/100/1000M RJ45 OOB Management port 1 USB Type-A CPU: Fixed Dual Core 1.0GHz ARM Cortex A9 4GB NAND Flash 1GB DDR3 Dimension (WxDxH): 434x407x43.5mm Weight: 6.95kg Power supply: 100–240 VAC 50/60 Hz Power consumption: System 65 Watts; System 900 Watts; Max. 1100 Watts Operating temperature: 0 to 40°C Operating relative humidity: 10 to 90% RH	Safety: EN 60950-1, UL/CSA 60950-1, IEC 60950-1, CCC Emissions: AS/NZS CISPR 22: Class A, ICES-003, Issue Class A, EN 55022: Class A, VCCI Class A, FCC CFR 47 Part 15, Subpart B Class A, CCC Immunity: EN 300 386, EN55024, EN 61000-3-2, EN 61000-3-3, EN 61000-4-2, EN 61000-4-3, EN 61000-4-5, EN 61000-4-6, EN61000-4-8, EN61000-4-11 EU RoHS Compliant	Integrated Packet Buffer Memory: 4MB MAC Address: Max 96K L3 LPM: 16K (IPv4 32bit) 4K (IPv6 128bit) Switch Fabric: 69 Gbps (136 Gbps full duplex) IPv4 host table size: 96K max. IPv6 host table size: 48K min/56K max. L2 Multicast Table: 1K L3 Multicast Table: 48K max Support Jumbo frames up to 12K VLAN: 4K

Software Specification

- ONIE Pre-installed
- Zero Touch Provisioning via DHCP



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