



Agema Open Networking Platform AGC7648A

Designed for deep buffered Data Center and granular traffic management Carrier applications, Agema AGC7648A bare-metal switch provides high-density low latency 10GbE SFP+ connectivity for downlinks while also providing 6x100GbE QSFP28 uplinks all in a resilient package making it ideal for Service Provider (CORD, Provider Edge, Mobile Backhaul) and Data Center TOR/Spine/DCI deployment.

The AGC7648A is configured with 48 x 10GbE SFP+ ports and 6 high bandwidth 100GbE QSFP28 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/NFV capable solutions, network scalability, flexibility and cost effectiveness. It delivers 800Gbps of switching fabric with integrated deep buffers and provides 1+1 resilient power in a very compact 1RU chassis.

High Bandwidth

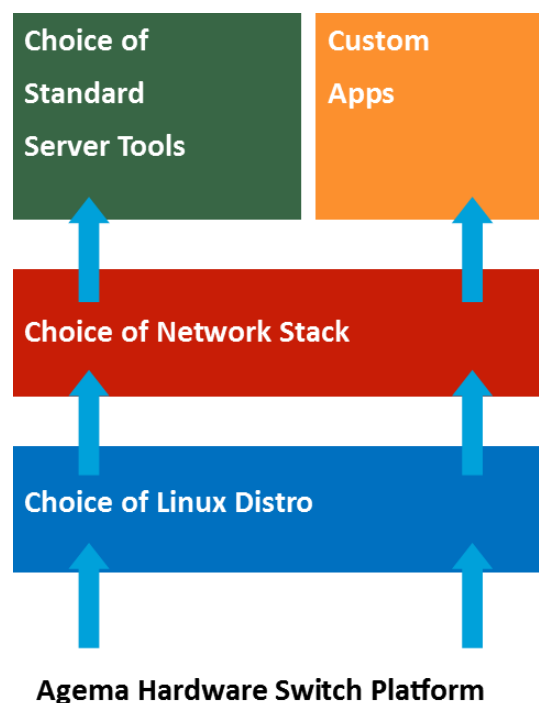
As bandwidth-intensive applications such as Web 2.0, virtualization, High Performance Computing (HPC) and Network Attached Storage (NAS) continue to proliferate within data centers, 100GbE provides a cost effective way to increase throughput and seamlessly deliver customer service level agreements.

High Availability

The AGC7648A has two slots for hot-swappable PSUs (Power Supply Units) and 4 fan trays. QSFP28 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 48x10G + 6x40/100GE.
- Up to 800Gbps of switching I/O bandwidth with deep buffers to support lossless network applications.
- Support for open automated configuration and zero-touch provisioning capabilities simplify the management of network environments.





Technical Specification

Ordering Information	Physical	Regulatory Compliance	Performance
6 x 40/100GbE QSFP28 ports 48 x 10GbE SFP+ ports 1 Serial console ports 1 10/100/1000M RJ45 OOB Management port 1 USB 2 slots for PSUs 4 slots for fans Power Supplies & Fans 2 Hot-swappable AC power supply (shipped with single PSU) 4 Hot-swappable FAN tray Options: <ul style="list-style-type: none"> Bare Metal Only Fixed Configuration 	6 x 100GbE QSFP28 48 line-rate 10GbE SFP+ 1 USB 2.0 port 1 Serial console ports 1 RJ45 OOB Management Port CPU: Intel Rangeley C2538 32GB SSD 8GB DDR3 16MB SPI-Flash Dimension (WxDxH): 438.5x460x43mm Weight: 8.28kg Power supply: 100–240 VAC 50/60 Hz Power consumption: Typical 348 Watts; Max. 540 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	Packet Buffer: 4GB GDDR5 External TCAM - 2M Records Switch Fabric: 800 Gbps 1.6 Tbps (full-duplex) Support Jumbo frames up to 16K IEEE1588, SyncE (AGC7648S only) Forwarding Table Sizes: contact Agema Sales Software Specification <ul style="list-style-type: none"> ONIE Pre-installed Zero Touch Provisioning via DHCP



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