



Agema Open Networking Platform AG7648

Designed for high-capacity applications, Agema AG7648 switch provides high-density low latency 10GbE connectivity in a resilient package making it ideal for enterprise and data center Top of the Rack (ToR) deployment.

The AG7648 is a 48 x 10GbE (SFP+) with 6 x 40 GbE (QSFP+) ports high bandwidth and high density switch. The device is pre-loaded with ONIE (Open Network Install Environment) and a choice of modular extensible Network Operating Systems (NOS) benefiting users to achieve future proof SDN/NFV capable solution, network scalability, flexibility and cost effectiveness. It delivers 1.44Tbps (full Duplex) of switching fabric with ultra low sub- μ sec latency, and also provides 1+1 resilient power in a very compact 1RU chassis.

High Bandwidth

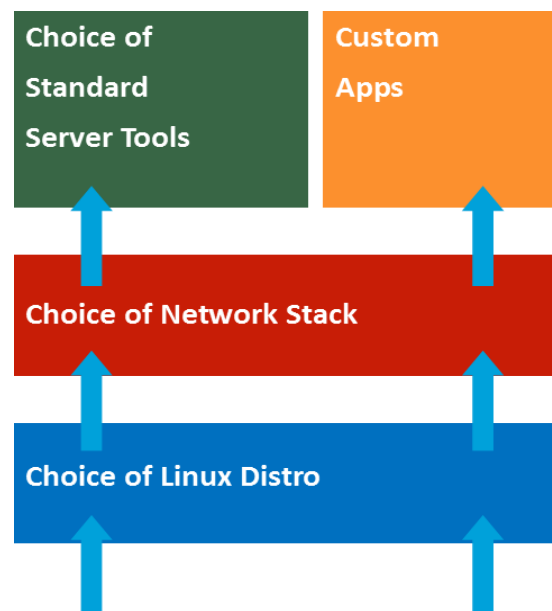
As bandwidth-intensive applications such as Web 2.0, virtualization, High Performance Computing (HPC) and Network Attached Storage (NAS) continue to proliferate within data centers, 10 GbE provides a cost effective way to increase throughput and seamlessly deliver customer service level agreements.

High Availability

The AG7648 has two slots for hot-swappable PSUs (Power Supply Units) and 3 fan trays. Also SFP+ and QSFP+ 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 48 ports 10GbE with 6 ports 40GBE ToR.
- Up to 1.44Tbps of switching I/O bandwidth (full Duplex) and available non-blocking cut-through switching fabric delivering line-rate performance.
- Open automated configuration and zero-touch provisioning capabilities to simplify the management of network environments.



Agema Hardware Switch Platform



Technical Specification

Ordering Information	Physical	Regulatory Compliance	Performance
<p>48 SFP+ ports and 6 QSFP+ ports 1-RJ45 Serial console port 1- RJ45 management port 1 USB port 2 slots for PSUs 3 slots for fans</p> <p>Power Supplies & Fans</p> <p>2 Hot-swappable AC power supply 3 Hot-swappable FAN tray</p> <p>Options:</p> <ul style="list-style-type: none"> Bare Metal Pre-loaded White Box 	<p>48 line-rate 10 GbE SFP+ with 6 ports 40 GbE QSFP+ 1 USB-A type port 1 RJ45 console port 1 RJ45 Management Port CPU: Quad Core 12.4Ghz 8GB SSD card 2GB DDR3 RAM Dimension (WxDxH): 438.5x460x43.5 mm</p> <p>Weight: 9.4 kg Power supply: 100–240 VAC 50/60 Hz Max. power consumption: 460 Watts Typ. power consumption: 230 Watts Operating temperature: 0 to 40°C Operating relative humidity: 10 to 90% RH</p>	<p>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, Sub-part 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</p>	<p>Integrated Packet Buffer Memory: 12 MB MAC Address: 32K min/Max 288K L3 LPM: Max 128K (LPM mode) 16K (TCAM-only mode) Switch Fabric: 720 Gbps 1.44 Tbps (full-duplex) IPv4 host table size: 16K min/112 max IPv6 host table size: 8K min/56 max L2 Multicast Table: 16K L3 multicast Groups: 8K MTBF: 508703.00 hours VLAN: 4K</p> <p>Software Specification</p> <ul style="list-style-type: none"> ONIE Pre-installed Zero Touch Provisioning via DHCP



©2017. All Rights Reserved. Information in this document is subject to change without notice.
 Delta Electronics, Inc. assumes no responsibility for any errors that may appear in this document.

More product information, please visit www.agemasystems.com

To learn more about Delta, please visit www.deltawww.com