

## 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

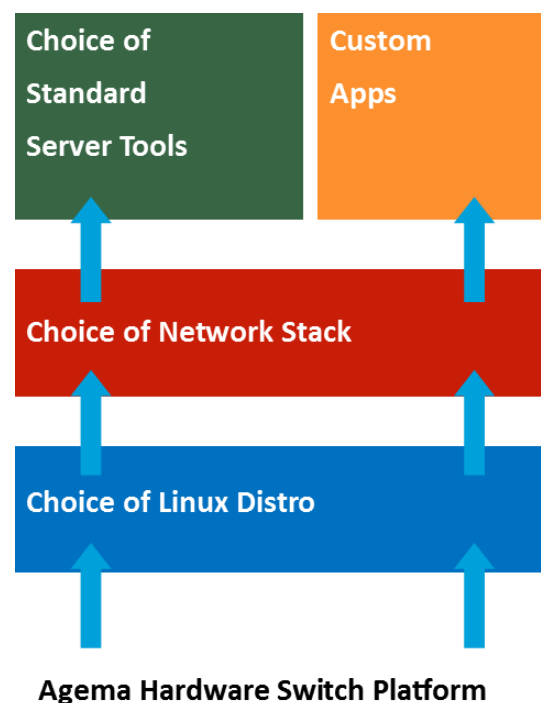
As bandwidth-intensive applications such as Web 2.0, virtualization, High Performance Computing (HPC) and Network Attached Storage (NAS) continue to proliferate within data centers, 100GbE provides a cost effective way to increase throughput and seamlessly deliver customer service level agreements.

### 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.





## Product Specification

### Features

<p><b>Ports</b>          48 x10GbE SFP+ ports          6x40/100GbE QSFP28 ports          1 x RJ45 serial console port          1 x RJ45 100/1000M OOB Management port          1 x USB port</p> <p><b>Key Parts</b>          Switching Chip: BCM88375 Qumran          CPU Board:          Intel Rangeley C2538          8GB x1 DDR3          32GB m.2 SSD          16MB SPI-Flash (Boot)</p> <p><b>Power Supplies &amp; Fans</b>          2 slots for Hot-swappable PSUs          4 slots for Hot-swappable FANS</p> <p>Applicable PSU          AC to DC: 100 ~ 240 VAC 50/60 Hz          DC to DC: -48 ~ -60 VDC</p> <p>Power consumption:          Typical 450 Watts; Max. 619 Watts</p>	<p><b>Physical and Environmental</b>          Dimension (WxDxH):          438.5x460x43mm          Weight: 8.28kg</p> <p>Operating Temperature: 0 to 40          Operating Relative Humidity: 10 to 90% RH</p> <p>Storage Temperature: -20 to 70          Storage Humidity: 5 to 95% RH</p> <p><b>Open Software Environment</b>          ONIE preloaded          Diagnostics software preloaded          Compatible with ONL</p> <p><b>Performance</b> (Subject to NOS)          Packet Buffer: 4GB GDDR5          External TCAM - 2M Records          Switch Fabric: 800 Gbps; 1.6 Tbps (full-duplex)          Support Jumbo frames up to 9K</p> <p>Forwarding Table Sizes: Subject to NOS</p>	<p><b>Regulatory Compliance</b>          Safety: EN 60950-1, UL 60950-1, CAN/CSA C22.2 No. 60950-1-07, IEC 60950-1</p> <p>Emissions: AS/NZS CISPR 22: Class A, ICES-003, Issue Class A, EN55032: Class A, VCCI Class A, FCC CFR 47 Part 15, Subpart B Class A</p> <p>Immunity: EN55024, EN 61000-3-2, EN 61000-3-3, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN61000-4-8, EN61000-4-11</p> <p>EU RoHS Compliant</p> <p><b>Warranty</b>          Please visit <a href="http://agema.deltaww.com">agema.deltaww.com</a> for the warranty terms and condition</p>	<p><b>Ordering Information:</b>          AGC7648A (Single AC version)          AGC7648A-DC (Dual DC version)</p> <p>Optional accessories:          AGPSU-800AC          AGPSU-800DC          AGFAN-04</p>
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### About Delta

Delta, founded in 1971, is a global leader in power and thermal management solutions and a major player in several product segments such as industrial automation, displays, and networking. Its mission statement, "To provide innovative, clean and energy-efficient solutions for a better tomorrow," focuses on addressing key environmental issues such as global climate change. As an energy-saving solutions provider with core competencies in power electronics and innovative research and development, Delta's business domains include Power Electronics, Automation, and Infrastructure. Delta has 175 sales offices, 69 R&D centers and 37 manufacturing facilities worldwide.

Throughout its history, Delta has received many global awards and recognition for its business achievements, innovative technologies and dedication to corporate social responsibility. Since 2011, Delta has been selected each year for the prestigious Dow Jones Sustainability™ World Index (DJSI World). In 2018, we were also included in the DJSI Emerging Markets Index for the 6th consecutive year. Delta was ranked by CDP (formerly the Climate Disclosure Project) at the Climate Change Leadership Level.

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