Agema Open Networking Platform AG8032

Designed for high-capacity applications, Agema AG8032 switch provides high-density low latency 40GbE connectivity in a resilient package making it ideal for enterprise and data center Top of the Rack (ToR) deployment.

The AG8032 is a 32 x 40GbE (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 2.56 Tbps (full Duplex) of switching fabric with ultra low sub-μsec latency, and also provides 1+1 resilient power in a very compact 1RU chassis.
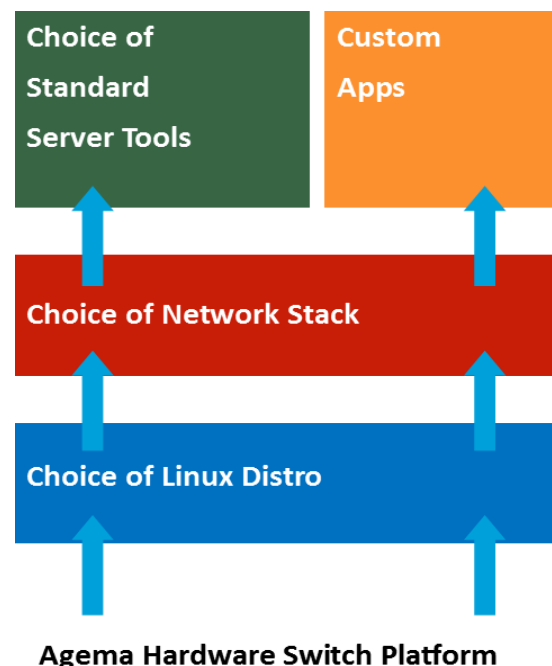
High Bandwidth

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, 40 GbE provides a cost effective way to increase throughput and seamlessly deliver customer service level agreements.

High Availability

The AG8032 has two slots for hot-swappable PSUs (Power Supply Units) and 3 fan trays. Also 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 32 ports 40GbE ToR.

- Up to 2.56 Tbps 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

Product Specification

Features

Ports
32 x 40GbE QSFP ports
1 x RJ45 serial console port
1 x RJ45 100/1000M OOB
    Management port
1 x USB port

Key Parts
Switching Chip: BCM56850 Trident 2
CPU Board:
Intel Rangeley C2538
8GB DDR3 RAM
128GB SSD
16MB SPI-Flash (Boot)

Power Supplies & Fans
2 slots for Hot-swappable PSUs
3 slots for Hot-swappable FANs

Applicable PSU
AC to DC: 100 ~ 240 VAC 50/60 Hz
DC to DC: -40 ~ -72 VDC

Power consumption:
Typical 230 Watts; Max.460 Watts

Physical and Environmental
Dimension (WxDxH):
438.5x460x43.5 mm
Weight: 8.05 kg

Operating Temperature: 0 to 40
Operating Relative Humidity: 10 to
90% RH

Storage Temperature: -20 to 70
Storage Humidity: 5 to 95% RH

Open Software Environment
ONIE preloaded
Diagnostics software preloaded

Performance (Subject to NOS)
Integrated Packet Buffer: 12 MB
MAC Address: Max 288K
L3 LPM: Max 128K (LPM mode)
            16K (TCAM-only mode)
Switch Fabric: 1.28 Tbps; 2.56 Tbps
(full-duplex)
IPv4 host table size: 16K
IPv6 host table size: 8K
L2 Multicast Table: 16K
L3 multicast Groups: 8K
VLAN: 4K

Regulatory Compliance
Safety: EN 60950-1, UL 60950-1,
CAN/CSA C22.2 No. 60950-1-07,
IEC 60950-1

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

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

EU RoHS Compliant

Warranty
Please visit agema.deltaww.com for
the warranty terms and condition

Ordering Information:
AG8032 (Single AC version)

Optional accessories:
AGPSU-460AC
AGPSU-550DC
AGFAN-01

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 163 sales offices, 64 R&D centers and 39 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 as a member of the Dow Jones Sustainability™ World Index (DJSI World) for 7 consecutive years. In 2017, Delta was selected by CDP (formerly the Carbon Disclosure Project) for its Climate Change Leadership Level for the 2nd consecutive year.

More product information, please visit agema.deltaww.com or mail to AgemaSales@deltaww.com

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