



# Agema Open Networking Platform AG 8032

**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.

### Key Features

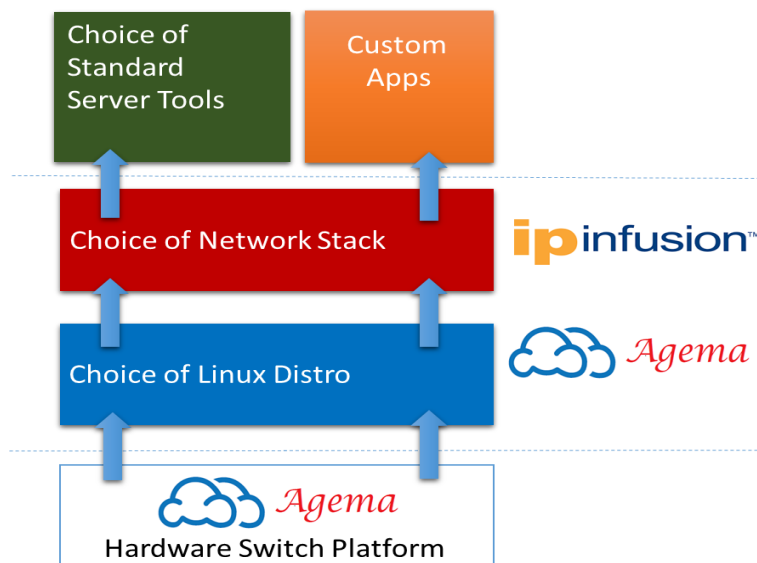
- 1RU high-density 32 ports 40GbE ToR.
- Up to 1.28 Tbps of switching I/O bandwidth and available non-blocking cut-through switching fabric delivering line-rate performance.
- Open automated configuration and zero-touch provisioning capabilities to simplify the management of network environments.

### High Bandwidth

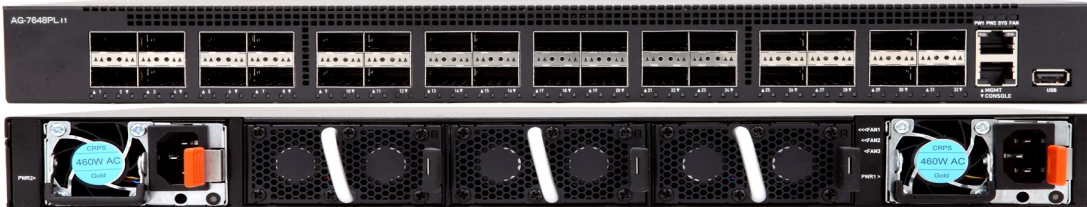
As bandwidth-intensive applications such as Web 2.0, virtualization, High Performance Computing (HPC) and Network Attached Storage (NAS) continue to proliferate within data centers, 40 GbE provides a cost effective way to increase throughput and seamlessly deliver customer service level agreements.

### 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.



- Open networking platform supporting a choice of NOS: Agema OS & OcNOS™.
- Advance Networking features in a hybrid box.



## Technical Specification

Ordering Information	Physical	Regulatory Compliance	Performance
32 QSFP+ ports 1-RJ45 Serial console port 1- RJ45 management port 1 USB port 2 slots for PSUs 3 slots for fans  <b>Power Supplies &amp; Fans</b>  2 Hot-swappable AC power supply  3 Hot-swappable FAN tray  <b>Options:</b> <ul style="list-style-type: none"> <li>Bare Metal</li> <li>Pre-loaded White Box</li> </ul>	32 line-rate 40 GbE QSFP+ 1 USB-A type port 1 RJ45 console port 1 RJ45 Management Port CPU: Intel Rangeley C2338 128GB SSD card 8GB DDR3 RAM Dimension (WxDxH): 438.5x460x43.5 mm Weight: 20.06 lbs (9.1 kg) Power supply: 100–240 VAC 50/60 Hz Max. power consumption: 460 Watts Typ. power consumption: 220 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, 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	Integrated Packet Buffer Memory: 12 MB MAC Address: Max 288K L3 LPM: Max 128K (LPM mode) 16K (TCAM-only mode) Switch Fabric: 1.28 Tbps IPv4 host table size: 16K IPv6 host table size: 8K L2 Multicast Table: 16K L3 multicast Groups: 8K MTBF: 299760.71 hours

## Software Specification

Features	Agema Systems, Inc Agema OS	IP Infusion OcNOS™
Basic Switching Features	✓	✓
Routing Features	✓	✓
Data Center Features	✓	✓
SDN Features	✓	✓
Service Provider Networking Features (Comprehensive MPLS and Carrier Ethernet)		✓



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