ComX Computers
Product Specification Sheet

EC-AS5812-54X-O-AC-F

Edge-Core 10G 54 Port SFP+ Switch with ONIE

Product Overview

Edge-Core 10G 54 Port SFP+ Switch with ONIE, 48x SFP+, 6x QSFP+, ONIE, Front to Back flow, Broadcom Trident II+ 720Gbps, Intel Atom C2538 CPU







Specifications

Overview:

AS5712-54X - 10GbE Data Center Switch

AS5712-54X has 48-Port 10G SFP+ with 6x40G QSFP+ uplinks with ONIE software installer. AS5712-54X embedded Broadcom Trident II 720Gbps and Intel Atom C2538 CPU as well as PHY-Less/Re-timer-Less, dual -48VDC 400W PSUs included and port-to-power airflow.

The Edgecore AS5710-54X/AS5712-54X switch meets the high-performance, availability, and network-scaling requirements of enterprise and cloud data centers. The AS5710-54X/AS5712-54X provides full line-rate switching at Layer 2 or Layer 3 across 48 x 10GbE ports and 6 x 40GbE uplinks. The switch can be deployed either as a Top-of-Rack switch, or as part of a 10GbE or 40GbE distributed spine, forming a non-blocking folded CLOS data center fabric. The switch is rack mountable in either a standard 19 inch rack, or with the Open Rack Switch Adapter in the 21 inch Open Rack.

The AS5710-54X/AS5712-54X hardware provides the high availability features required for data center operation, including; redundant, hot-swappable AC or -48 VDC PSUs or 12 VDC power input; fan with 4+1 redundant fan modules; and port-to-power or power-to-port airflow options. The AS5710-54X/AS5712-54X is an ideal Top-of-Rack switch for virtualized

data centers, with its support of VXLAN and NVGRE tunneling functions in hardware.

Features:

- Cost-effective, bare-metal switch infrastructure for data center fabric.
- 48 x SFP+ switch ports, supporting 10GbE (DAC, 10GBASE-SR/LR) or 1GbE (1000BASE-T/SX/LX).
- 6 x 40 QSFP switch ports, each supporting 40GbE (DAC, 40GBASE-SR4/LR4) or 4 x 10GbE (DAC or fiber breakout cable).
- Port Grouping to group 4 x 10G ports into one 40G port at the physical layer for maximum bandwidth utilization, and for 300m optical reach over MMF (Subject to NOS options).
- Full line-rate Layer 2 or Layer 3 forwarding of 720 Gbps.
- VXLAN and NVGRE tunneling support in hardware for network virtualization.
- Rack mountable in standard 19" racks. Mountable in 21" Open Rack with the Open Rack Switch Adapter.
- Supports hot/cold aisle with port-to-power and power-to-port airflow SKUs.
- All ports on front; PSUs, fan modules on rear.
- Hot-swappable, load sharing, redundant AC or -48 VDC PSUs. 12 VDC power input option.
- Hot swappable 4+1 redundant fan modules.
- Management: Ethernet and console RJ-45 ports; USB storage port.
- Hardware switch pre-loaded with Open Network Install Environment (ONIE) for automated loading of compatible open source and commerical NOS offerings. AS5710 SKU and AS5712 SKU compatible with Open Network Linux (ONL), the open-source, OCP reference NOS.
- AS5710 SKU and AS5712 SKU compatible with Big Monitoring Fabric and Big Cloud Fabric SDN applications from Big Switch.
- AS5712 SKU compatible with Cumulus Linux r2.5.1 and later version from Cumulus Networks.
- AS5712 SKU compatible with PicOS r2.6 and later version from Pica8 Inc.
- AS5712 SKU compatible with SnapRoute FlexSwitch software.
- AS5712 SKU compatible with Pluribus Netvisor OS (ONVL) version 2.5 and later from Pluribus Networks.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/EC-AS5812-54X-O-AC-F-Edge-Core-10G-54-Port-SFP-Switch-with-ONIE-p-210624.php

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