

# AS7712-32X

## 100GBE DATA CENTER SWITCH

AS7712-32X is a 32-Port 100G QSFP28 switch with ONIE software installer. AS7712-32X embedded Broadcom Tomahawk 3.2Tbps and Intel Atom C2538 CPU as well as dual 110-230VAC 650W PSUs included and power-to-port airflow.



AS7716-32X is a high-performance data center, it can be deployed as a TOR switch supporting 10/25/50 GbE to servers with 40/50/100 GbE uplinks, or as a spine switch supporting 40/50/100 GbE spine interconnects.



Please find AS7712-32X / AS7716-32X's datasheet via below "Download" section.

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# Overview

x 10/25 GbE connections. The AS7712-32X and AS7716-32X can be deployed as a TOR switch supporting 10/25/50 GbE to servers with 40/50/100 GbE uplinks, or as a spine switch supporting 40/50/100 GbE spine interconnects. These open network switches are loaded with the Open Network Install Environment (ONIE) which supports the installation of compatible Network Operating System software, including the open source options Open Network Linux and SONiC, plus commercial NOS offerings.

## Specs

Ports	32
Predominant Port Type	100GbE QSFP28
High Availability	Redundant Power Supply Redundant Fans
Compatible Software Option	Arccus - ArcOS CapGemini - SDvAS CGS - COS IP Infusion - OcNOS Ixia - Vision Edge OS Netscout - Packet Flow Switch Pica8 - PicOS Pluribus Netvisor ONE Stratum Open Compute Project - Open Network Linux

## Features

- Cost-effective, bare-metal switch infrastructure for data center fabric.
- Deploy as Top-of-Rack switch supporting 10 or 25 GbE to servers, with 40 or 50 or 100 GbE uplinks.
- Deploy as spine switch supporting 40, 50, or 100 GbE ToR and spine interconnects.
- 32 x QSFP28 switch ports, each supporting 1 x 100 GbE or 1 x 40 GbE, or via breakout cables, 2 x 50 GbE or 4 x 25 GbE or 4 x 10 GbE.
- Layer 2 or Layer 3 forwarding of 6.4 Tbps (full duplex).
- Supports hot/cold aisle with port-to-power and power-to-port airflow SKUs.
- All ports on front; PSUs and fans accessible from rear.
- Hot-swappable, load-sharing, redundant AC or -48V DC or 12V DC PSUs.
- 5+1 redundant, hot-swappable fan modules.
- Energy Efficiency: 310 W typical power consumption without pluggable optics.

Network Install Environment (ONIE) for automated loading of compatible open source and commercial NOS offerings.

- Compatible with Arccus ArcOS
- Compatible with CapGemini SDvAS
- Compatible with CGS COS
- Compatible with IP Infusion OcNOS™
- Compatible with Ixia Vision Edge OS™
- Compatible with Netscout Packet Flow Switch
- Compatible with Open Network Linux (ONL), an open-source, OCP reference NOS.
- Compatible with Pica8 Inc. PicOS™
- Compatible with Pluribus Networks Netvisor ONE Network operating system
- Compatible with Stratum

## Downloads

Category	File Name	Version	Release Date	File Size	Download
<b>Datasheet</b>	<b>AS7712_AS7716-32X DS R18</b>	US	2021-04-15	1614.35 KB	<a href="#">↓</a>
<b>User Manual</b>	<b>AS7712-32X Quick Start Guide-R04</b>	US	2018-06-07	1470.45 KB	<a href="#">↓</a>
<b>Certification</b>	<b>AS7712-32X_CE_DoC</b>	US	2018-03-05	394.48 KB	<a href="#">↓</a>
<b>Certification</b>	<b>Edgecore RoHS 2.0 &amp; REACH Declaration - AS7712-32X</b>	US	2021-05-06	920.09 KB	<a href="#">↓</a>

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**Safety and  
Regulatory  
Information**

**AS7712-32X Safety  
and Regulatory  
Information R04**

US

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Headquarters

1, Creation Rd.3, Hsinchu Science Park, Hsinchu,30077, Taiwan, R.O.C +886-3-5638888

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