

SD-WAN: Agile Networking for Cloud-Connected Business

AAEON Hardware Solutions for
Software Defined Wide Area Networks

Introduction

With the advent of Industry 4.0 and the deployment of edge computing, businesses and industries are more connected than ever. More devices connecting across multiple facilities requires more robust internet connectivity, whether it's to cloud services or a central server for digital services.



Branch Network



Digital SMB



Manufacturing



Cloud Voice



Retail Stores



Cloud Office

To stay connected, companies deploy Wide Area Networks (WAN) across multiple locations, some even geographically distant from each other. Traditionally, WAN systems were built and configured by dedicated IT personnel using expensive dedicated access circuits to provide a connection between facilities. However, the increase in connected devices requires more bandwidth and maintenance, increasing costs for traditional WAN networks and making them less sustainable and efficient as businesses move towards digital platforms such as cloud networks.

To solve this problem, companies are turning to Software Defined Wide Area Networks (SD-WAN) to stay connected. SD-WAN networks provide more flexibility to handle connected industries and businesses reliant on cloud computing. With the SD-WAN console, a single point interface with the network, SD-WAN networks provide a more efficient tool for IT departments to stay ahead of digital security threats, and quickly identify and pinpoint hardware issues.

Solution

AAEON, an industry leader in network solutions, has developed several solutions to provide systems integrators and network managers with platforms to power their SD-WAN networks. Connecting cloud and edge networks together, AAEON network solutions offer several key benefits to deploy for SD-WAN networks and infrastructure.

Multi-Core Processors

AAEON network appliances take advantage of multi-core Intel® processors to provide more powerful and flexible networking, allowing users to do more with SD-WAN.

Intel QuickAssist Technology

Integrated into the Intel® Atom™ processors powering the FWS-2360, Intel® QuickAssist Technology (Intel® QAT) improves performance across applications and platforms, including symmetric encryption

and authentication, asymmetric encryption, digital signatures, RSA, DH, and ECC, and lossless data compression.

High Availability Networking with LAN Bypass

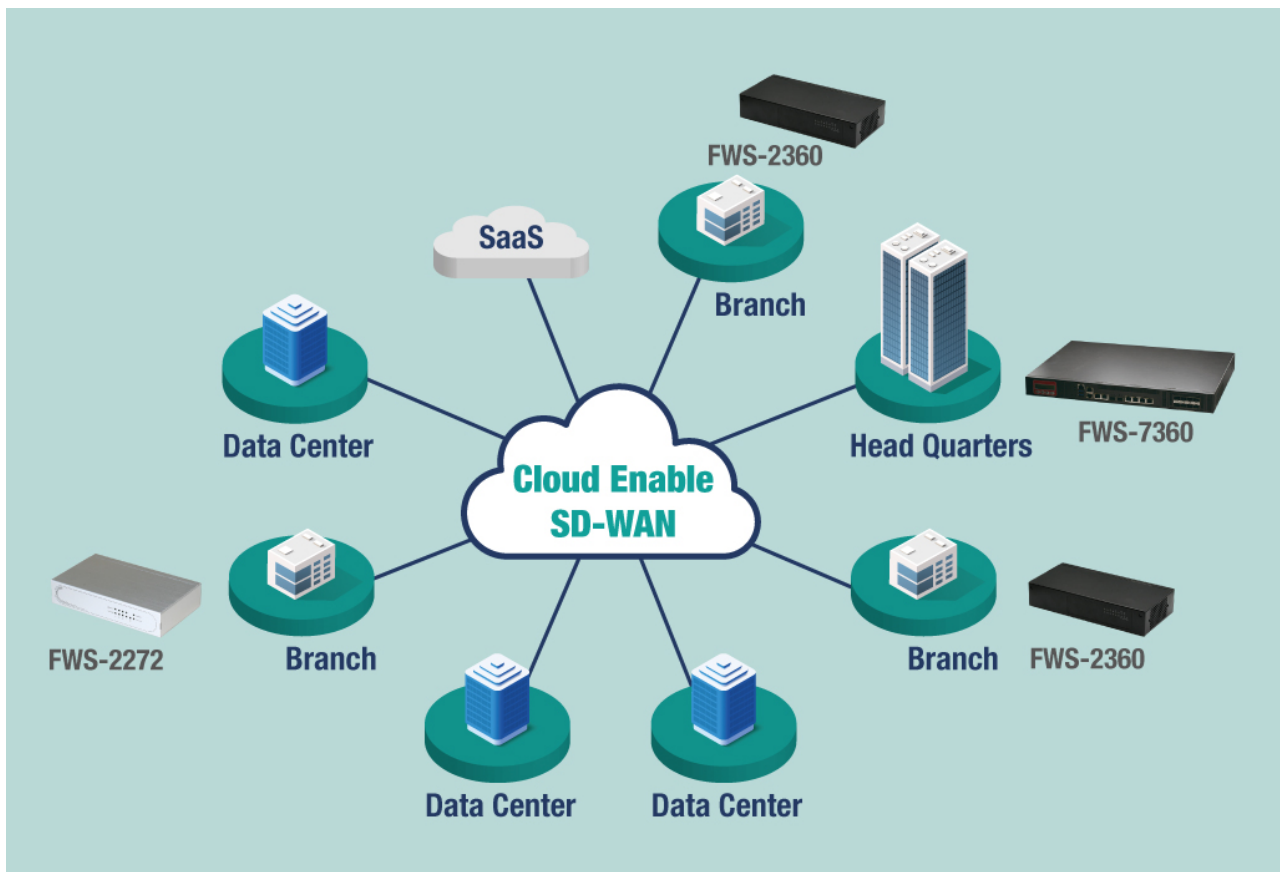
Built in LAN Bypass features keep your network operating even in the event of power outage or hardware failure, increasing availability and improving network reliability.

Greater Connection for Better Integration

With multiple Gigabit LAN ports, AAEON network appliances provides connection for MPLS integration, as well as built-in wireless support for even more flexible networks.

Compact Slim Design

The compact and slim design of AAEON network appliances allow them to be easily deployed to any site, regardless if there's a dedicated rack or IT room.



FWS-2360

The FWS-2360 is powered by Intel® Atom™ C3000 series processor (formerly Denverton) with built-in Intel QuickAssist. The FWS-2360 features four Gigabit Ethernet ports and a pair of Fiber/Copper ports to maximize speed and flexibility. The FWS-2360 is designed to be expandable, supporting Wi-Fi and 4G/LTE wireless communication. The FWS-2360 supports vital network applications including wireless gateway, SD-WAN, IPS, WAN Optimization, and vCPE.

FWS-2272

Powered by the Intel® Celeron® N3350 (formerly Apollo), the FWS-2272 is built to bring powerful network applications to home offices, small to medium sized businesses, and branch offices utilizing an SD-WAN environment. The FWS-2272 is designed to facilitate network applications including Firewall, VPN, Load Balancing, Software defined WAN (SD-WAN), Unified Threat Management (UTM), Wireless Network Access Controller (NAC) and Virtual Customer Premise Equipment (vCPE) quickly and easily without complicated configuration.

About AAEON

Established in 1992, AAEON has become one of the leading designers and manufacturers of advanced industrial and embedded computing platforms. Committed to innovative engineering, AAEON provides Industry 4.0 integrated solutions, hardware and intelligent automated services for premier OEM/ODMs and system integrators worldwide, as well as IoT solution platforms that seamlessly consolidate virtual and physical networks. Reliable and high-quality computing platforms include industrial motherboards and systems, industrial displays, rugged tablets, PC/104, PICMG and COM modules, embedded SBCs, embedded controllers, network appliances and related accessories. AAEON also offers customized end-to-end services from initial product conceptualization and product development through to volume manufacturing and after-sales service programs. It is also committed to continuously redefining and harmonizing the management and development processes of the industry.

With its constant pursuit of innovation and excellence, AAEON became a member of the ASUS group in 2011, enabling the company to further strengthen its leadership, access advanced technology from ASUS, and leverage resources from within the group. AAEON is poised to offer more diversified embedded products and solutions at higher quality standards to meet world-class design and manufacturing demands in the years to come.

AAEON is an Associate member of the Intel® Internet of Things Solutions Alliance.

CONTACT US

AAEON Technology Inc.

5F, No. 135, Lane 235, Pao
Chiao Rd., Hsin-Tien Dist,
New Taipei City, 231, Taiwan,
R.O.C.

+886-2-8919-1234

+886-2-8919-1056

FOLLOW US



www.aaeon.com