



Anybus Managed L3 Switch

Item number: AWB5011-B

The Anybus Managed L3 Switch establishes robust data networks in harsh industrial environments. With Gigabit throughput, dynamic routing, advanced management features, multiple redundancies, and robust cybersecurity, it's the ideal solution for industrial applications demanding high performance, reliability, and security.



Optimize your industrial network with a robust L3 managed switch.

Features and benefits

- ✓ **High-Speed 12-port Gigabit switch**
8 Gigabit RJ45 ports enable efficient data and power transfer, complemented by 4 Gigabit small form-factor pluggable (SFP) ports for versatile high-speed fiber connections.
- ✓ **Jumbo Frame support**
Supports 9 kB Jumbo Frames, allowing for the efficient transfer of large amounts of data.
- ✓ **Non-blocking switch fabric**
Efficiently handles simultaneous data transfers between all ports without bottlenecks or slowdown.
- ✓ **ITU-T G.8032 ring redundancy**
Adheres to ITU-T G.8032 V1/V2 standard for ring redundancy, ensuring sub-50ms protection and swift recovery switching for Ethernet traffic.
- ✓ **Comprehensive cybersecurity**
Ensures network integrity with L2-L7 IPv4/IPv6 Access Control List (ACL), DHCP Snooping, IP Source Guard, Dynamic ARP Inspection, 802.1Q VLAN, Private VLAN, and Advanced Port Security.
- ✓ **Management Features**
Configure via WebGUI, CLI, SNMP, or RMON. Enhance synchronization with IEEE 1588v1/v2 PTP, manage topology with LLDP, and use USB for backup/restore & firmware updates. NMS for component monitoring.
- ✓ **Efficient MAC address management**
A 4k MAC address table enables you to efficiently manage devices within your network.
- ✓ **Enhanced packet buffer for H.264 burst**
1.5 MB packet buffer memory tailored for efficient handling of H.264 burst transmissions, ensures smooth and reliable performance.
- ✓ **Dynamic and static routing**
Supports dynamic (RIPv1&v2, OSPFv1&v2) and efficient unicast/multicast static routing, ensuring optimized data flow and responsive network performance.
- ✓ **Compatible with 3rd party switches**
Interoperates with most 3rd-party industrial switches, ensures fast recovery using Ethernet Ring Protection Switching (ERPS), and supports efficient management of multiple interconnected chains.
- ✓ **Multi-Level authentication**
Ensures robust multi-level user authentication via HTTPS/SSH/SFTP (256-bit encryption), IEEE 802.1X port-based, MAB for non-802.1X compliant devices, and RADIUS/TACACS+ centralized user authentication.
- ✓ **Industrial design**
DIN-rail mounting reduces wiring, EN50121-4 compliant for railway use, high-level EMC protection, meets IEC 61000-6-2/4 for heavy industries. Wide operating temp. range with superior heat dissipation.



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General

Net Weight (g)	1370
Packed Width (mm)	20
Packed Height (mm)	14
Packed Depth (mm)	25
Packed Weight (g)	1675
Operating Temperature °C Min	-40
Operating Temperature °C Max	75
Mounting	DIN rail mount (bracket included)
Housing Materials	Steel
Packaging Material	Cardboard
Warranty (years)	3年

Identification and Status

Product ID	AWB5011-B
Country of Origin	Taiwan (Province of China)
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	5A992.c

Physical Features

LAN Specification	8 x 10/100/1000Base-T RJ-45 4 x 100/1000Base SFP, DDM
Contains Battery	No

Certifications and Standards

Protection Class IP	IP31
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Certifications and Standards	
CE	Yes
Environment	EN 61000-6-4:2019 EN 61000-6-2:2019 EC 61000-4-2:2008 IEC 61000-4-3:2006 + A1:2007 + A2:2010 IEC 61000-4-4:2012 IEC 61000-4-5:2014 + A1:2017 IEC 61000-4-6:2013 IEC 61000-4-8:2009
WEEE Category	IT and telecommunications equipment