Anybus® BY HMS NETWORKS

Select your infrastructure product

Anybus Wireless Managed L3 Switch for Industrial Applications

The intelligent Anybus Switches provide full Gigabit and ultra-high throughput.

Multiple redundancy and cyber security features enable you to build a highly reliable and secure network.

FEATURES & BENEFITS

FULL GIGABIT SWITCHING AND ULTRA-HIGH THROUGHPUT

- 12-port Full Gigabit Ethernet with 8-port RJ 45 and 4-port SFP
- 16k MAC address table
- 1.5 MB packet buffer memory for H.264 burst
- 9 kB jumbo frame
- Store-and-forward with non-blocking switch fabric

DYNAMIC ROUTING WITH REDUNDANCY PROTECTION

- RIPv1&v2, OSPFv1&v2 for intra-domain routing within an autonomous system
- Efficient unicast/multicast static routing
- VRRP for reliability and availability

ITU-T G.8032 V1/V2 ERPS RING REDUNDANCY

- ITU standard Ring redundancy protocol
- Provides sub-50ms protection and recovery switching for Ethernet traffic
- Interoperability with most 3rd party industrial switches, providing fast recovery time
- Efficient network interconnection and topology with ERPS Chain, multiple chains

CYBER SECURITY

- L2-L7 IPv4/IPv6 Access Control List (ACL)
- DHCP Snooping, IP Source Guard, Dynamic ARP Inspection
- 802.1Q VLAN, Private VLAN, Advanced Port Security
- Multi-Level user authentication
- HTTPS/SSH/SFTP, 256-bit encryption
- IEEE 802.1X port-based authentication
- MAB for non-802.1X compliant end devices
- RADIUS/TACACS+ centralized user authentication

RUGGED DESIGN

- EN50121-4 for railway trackside applications
- Top level EMC protection and excellent heat dissipation design for operating in -40 to 75°C environment

- IEC 61000-6-2/4 Heavy Industrial Environment

MANAGEMENT FEATURES

- Various configuration paths, including WebGUI, CLI, SNMP and RMON
- IEEE 1588v1/v2 PTP time management
- LLDP topology control
- USB for backup/restore and firmware update
- Software utility interface for LAN device management
- NMS for individual component monitoring

CERTIFICATIONS & APPROVALS

EUROPE	**CE**
North America	FCC

Ethernet	8 x 10/100/1000Base-T RJ-45 4 x 100/1000Base SFP, DDM
Console	1 x RS232 (RJ45) 115200.n.8.1
USB	1 x USB type A
Operating Temp.	-40°C-75°C , 0%-95% Non- Condensing
Data speeds	1000Base-TX/FX 100Base-TX/FX 10Base-TX/FX
Power	24 VDC (10-60 VDC) Max. 16.08W Support for dual power supplies
Weight	1 380 g
Housing material	Steel/aluminium
IP protection class	IP31
Dimensions	150 x 126.5 x 85.5 mm (without DIN rail clip)
Mounting	DIN rail mount (bracket included)
Configuration	CGI WebGUI, CLI, SNMP
Security	IEEE 802.1x/RADIUS, Private VLAN, ACL (MAC/IP filter)
Redundancy	Rapid spanning tree protocol (RSTP)/Multiple spanning tree protocol (MSTP) ITU-T G.8032 v1/v2 Ethernet ring protection switching (ERPS) Virtual router redundancy protocol (VRRP)
L3 Routing	Static/dynamic IP routing, VLAN routing, RIP v1/v2, OSPF v1/v2, IGMP and Multicast routing
Traffic Management	Flow control, Port trunk/802.3ad LACP, VLAN, Private VLAN, GVRP, GMRP, QinQ, QoS, IGMP snooping v1/v2/v3, Rate control, Storm control, Port mirroring
Network Management	IPv4/IPv6, SNMP v1/v2c/v3, RMON, LLDP, DHCP server/client/Option 82, SysLog

Content of delivery

Switch

1 x DIN-rail mounting bracket

Ordering Information

Order code	AWB5011

3 year guarantee. For purchasing instructions and terms and conditions, see: → How to buy

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