AT21901 is a high-performance ruggedized 10-port managed PoE switch designed to provide reliable operation for military applications under extreme climatic and weather conditions.

The AT21901 has the Power over Ethernet capability, able to power 8 devices with power up to 15.4 Watts / port. The switch supports the network management based on SNMP v3 protocol.

Furthermore, the AT21901 supports many advanced network standards optimizing network performance, reducing maintenance cost and increasing network security.

The AT21901 provides a variety of useful management functions, such as port-based VLAN, QoS, remote network monitoring, bandwidth management, port mirroring, authentication and email notification.
SERVICES

- 802.3af PoE (up to 15.4 Watts per port for power sourcing equipment) standard
- VLAN (802.1Q) to segregate and secure network traffic with VLAN tagging and GVRP (Generic VLAN Registration Protocol)
- Quality of Service (802.1p) for real-time traffic
- TOS (Type of Service) / DiffServ (Differentiated Services) for IGMP (Internet Group Management Protocol) snooping support
- Port configuration, status, statistics, monitoring, security
- SNTP (Simple Network Time Protocol) for network-based clock synchronization
- PTP Client (Precision Time Protocol) clock synchronization support
- DHCP (Dynamic Host Configuration Protocol) Server / Client support
- Port Trunk support
- MVR (Multicast VLAN Registration) support
- Security features: Enable / disable ports, MAC based port security, Port based network access control (802.1x), Q-in-Q VLAN support, Radius centralized password management, SNMP (Simple Network Management Protocol) v1/v2c/v3

TECHNICAL SPECIFICATION

INTERFACES

- 8 x Fast Ethernet RJ-45 (10/100 Base-TX
  Ports Auto MDI/MDI/X with PoE)
- 2 x Gigabit Ethernet RJ-45
  (10/100/1000Base-TX ports)
- 1 x RJ-45 console port
- 1 x electrical power
- 1 x Power LED
- 8 x PoE Power Signaling LEDs

ETHERNET STANDARDS

- IEEE 802.1Q for VLAN Tagging
- IEEE 802.1x for Authentication
- IEEE 802.3af PoE specification
  (up to 15.4 Watts per port for P.S.E.)
- IEEE 802.1D for STP (Spanning Tree Protocol)
- IEEE 802.1p for COS (Class of Service)
- IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)
- IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol)

TECHNICAL PARAMETERS

Power Supply: ......................... 10-32V DC
Nominal Value: ........................ 24V DC
Operating Temperature: .......... -30°C - +70°C
Storage Temperature: .......... -50°C - +85°C
Dimensions (d x w x h mm): ....... 275 x 220 x 44
Weight: .................................. 2.8 kg

MILITARY STANDARDS

Temperatures:
Vibrations/Shocks: ...................... MIL-STD 810F(G)
EMC Emission/Susceptibility: ...... MIL-STD 461E
Climatic Environment: ................ MIL-STD 810C

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