COMTANET ®

Communication Tactical Network

AT21901 MANAGED ETHERNET SWITCH

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.

ALITER
TECHNOLOGIES

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

AT21901

PoE Switch

TECHNICAL SPECIFICATION

INTERFACES
- 8 x Fast Ethernet RJ-45 (10/100 Base-TX Ports Auto MDI/MDIX 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