

# Rugged Unmanaged 8 ports, Ethernet Switch

## *Airborne Unmanaged Switch*

The AHS is a stand-alone miniature rugged 8 ports of 10/100BaseTX Ethernet unmanaged Switch. The AHS is an easy to use Switch, with Plug & play connectivity, that allows TCP/IP LAN broadening of existing Military systems.

It is easy to install with a Quick Release Airborne oriented Tray and reliable interface via MIL-STD-38999 Military Connectors.

## *Specifications*

- 8 port 10/100BaseTX Ethernet Switch
- Unmanaged Operation
- Supports Full/Half Duplex Operation
- Auto Sensing Speed and Flow Control
- MDIX Auto Cable Sensing
- Plug & Play installation
- Full Wire Speed Communications
- Store-and-forward Technology
- Compact, Space Saving Rugged Package
- Full IEEE 802.3 Compliance
- Up to 1.6 Gb/s Maximum Throughput
- ESD Protection Diodes on Ports

**Surge Protection Diodes on Power Inputs**

## *Dimensions*

172Lx143Wx 56.6H [mm] with Tray  
Weight 800gr

## *Power Supply requirements*

18-36VDC per MIL-STD-704D.



## *Environment*

The cooling of the AHS is accomplished by heat natural convection from its surface.

## *Temperature:*

The AHS will not be damaged or affected by the effects of ambient air temperature as follows:

### **Operating**

The AHS meets performance requirements specified herein after exposure to temperatures from -40° to +71°C

### **Non-operating**

Storage/transportation) from -54° to 85°C.

## *Relative humidity*

### **Operating**

95% relative humidity (RH) with no condensation.

### **Non-operating**

95% RH.

# Rugged Unmanaged 8 ports, Ethernet Switch

## *Airborne Unmanaged Switch*

### *Vibration*

According to MIL-STD-810F for airborne environment.

### *Shock*

According to MIL-STD-810F, 40g for duration of 11msec.

### *Fungus*

The AHS is non-nutrient to fungus growth according to the requirements in MIL-STD-810F.

### *Sand and Dust*

The AHS operates as specified herein while and after being subjected to sand and dust as encountered in dry arid areas according

### *Salt Fog:*

The AHS is resistant to the corrosive effects of salt fog environment according to MIL-STD-810F.

### *Electromagnetic Interference*

The AHS as specified complies to the requirements of MIL-STD-461E.

### *Reliability:*

The AHS has an MTBF of 30,000 hours at 40°C . Mean Time To Repair (MTTR) does not exceed 30 minutes.

