# SWMDL-H-4GPS-2USF SWMDL-H-4GPSGTX-USF

### Features

Manageable Layer 2 Hardened 6 Gigabit Ethernet PoE switch

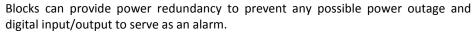
- SWMDL-H-4GPS-2USF 4 x 10/100/1000BaseT PoE/PSE ports and 2 x SFP dual rate optical port 100FX/1000SX/LX
- SWMDL-H-4GPSGTX-USF
  4 x 10/100/1000BaseT Po ports,
  1 x 10/100/1000BaseT port and 1
  x SFP dual rate optical port 100FX/1000SX/LX
- Ring and tree protection: STP, RSTP and proprietary that support 36 SWMD-L devices with a Ring recovery time less 20ms
- VLAN: par port,802.1q, Q-in-Q
- Jumbo Frame up to 9K Bytes
- Easy management via Bluetooth
- Metal box with DIN Rail and Wall fixing
- 12Vto 54Vdc dual input power supply with terminal block, low consumption 5.1Watt
- Working temperature –20 to + 75°

### ETHERNET DISTRIBUTION IN INDUSTRIAL ENVIRONMENTS

The manageable switches SWMDL-H-4GPSGTX-2USF are use to deploy Ethernet or Gigabit Ethernet to 4 or 5 devices /RTU /Stations in hardened industrial environment with 4 PoEat/AF facilities. These industrial switches are compaCXR and hardened. They are supporting the -20°C to 75°C working temperature.

SWMDL-4GPS\*-\*USF series Industrial Switch are the Fast&Gigabit Ethernet 10/100/1000Base-T to 100/1000Base-X Industrial PoE Switch. It switches the traditionally twisted-pair RJ-45 cable into various fiber optics media. SWMDL-4GPS\*-\*USF series offer easy management of uplink port (2 x port fiber/2 x port RJ-45/1 x fiber and 1 x RJ-45). The fiber optical port of SWMDL-4GPS\*-\*USF series can support various connection distances via multimode fiber, single-mode fiber or Bi-directional single-mode fiber for the deployment to the control room, warehouse, or factory.

The **SWMDL-4GPS\*-\*USF** Industrial PoE Switch series are designed for deployment at industrial sites. With DIN-rail mounting, you can easily mount the Industrial PoE Switch at your sites such as factory or warehouse. The two Terminal



The **SWMDL-4GPS\*-\*USF** Industrial PoE Switch series provide perfect solution for delivering power over Ethernet for IP cameras, WiFi acces points or IP phones at an extended operating temperature (-40°C ~ 75°C) to withstand against harsh environment for better performance. **SWMDL-4GPS\*-\*USF** series are fully compliant with IEEE standards such as IEEE802.3/802.3u/802.3ab/802.3az to ensure interoperability between network devices.

The **SWMDL-4GPS\*-\*USF** Industrial PoE Switch series provide easy management ways via telnet CLI and SNMP even Bluetooth with specially designed mobile APPs. To fulfill the requirement of mass deployment, the device also supports DHCP autoprovision mechanism to allow the network administrator to manage the device configuration automatically and dynamically. With CXR proprietary SNMP power down trap feature, **SWMDL-4GPS\*-\*USF** series are able to send out SNMP trap messages when encountering power outage to significantly help saving OPEX (operational cost) for the network administrator.





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#### SWMDL-H-xTGX-xUSF

# **SPÉCIFICATIONS**

### SWMDL-H-4GPSGTX-USF

- 4 x 10/100/1000BaseT PoE/PSE with RJ45

- 1 x SFP for 100FX or 1000SX/LX SFP  ${\color{red} {\bf SWMDL\text{-}H\text{-}4GPS\text{-}2USF}}$ 

- 4 x 10/100/1000Base-T PoE/PSE with RJ45

- 2 SFP for 100FX or 1000SX/LX SFP

#### Other Interfaces

USB: 1 X USB2.0 (Host Type A) Console: RS232 with RJ45

Bluetooth V2.1 compliant (Android Only) (Bluetooth could operate at -20°C~60°C)

### Standards

IFFF802.3 10Base-Tx IEEE802.3u 100BaseT/Fx IEEE802.3ab 1000Base-T 1000Base-X IEEE802.3z IEEE802.1p Priority Tag VLAN IEEE802.1q IEEE802.1AB LLDP IFFF802.3x Flow control IEEE802.1D/IEEE802.1w STP/RSTP IEEE802.3af Power over Ethernet IEEE802.3at PoE Enhancements

### H/W Specification

Store and forward Switching Mechanism Auto Crossover for MDI/MDI-X in TP Port

Auto Negotiation in TP Port Half/Full Duplex Mode Operation Jumbo Frame up to: 9K Bytes MAC Address Table: 2K

Non-Blocking Switching Fabric : 12Gbps

VLAN-ID: 4K Priority Queues: 4

2 Digital Input: Level 0:-54~3VDC

Level 1: 12~54VDC

2 Digital Output (alarm relay):

30VDC/1A (Max.)

### Forward / Filter Rate

10M: 14,880/14,880pps 100M: 148,800/148,800pps 1000M: 1,488,000/1,488,000pps

LED

Power, Status, Master/Tail Bluetooth, LAN/PoE, F/O

#### Switch Features

IEEE802.1q Tag Based VLAN, Q-in-Q QoS Based on P-bit, VLAN & DSCP IGMP Snooping v1/v2 Bandwidth Control Broadcast Storm Control Port Mirroring Loop Detection

### **Network Management**

Telnet CLI SNMP v1/v2c Management DHCP Client

DHCP Auto-Provision Power-Down Trap FTP/TFTP rmware upgrade

Dual Image NTP

Bluetooth Management (Android Only)

### **Network Redundancy**

STP/RSTP

Fast Recovery for a Ring Topology

### Installation Type

**DIN-Rail Mounting** 

# **Power Requirement**

DC Input : Terminal Block x 2 Input Voltage : DC : 48~54VDC Power Consumption :

DC: 125.3W

(4 Ports PoE Full Loading, Without USB)

### **Environmental Condition**

Operation: -40°C~ 75°C

Storage Temperature: -40°C ~ 85°C Humidity: 5% ~ 90%, Non-Condensing

### Dimension & Weight

Size : 83 x 110 x 125 mm (WxDxH)

Weight: 1.005Kg Housing: Metal, IP30

# Security

SSH v2 RADIUS Client



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## **MODELS**

	.Layer2 manageable DIN-Rail switch, hardened -20 to +75°C working temperature, 4 10/100/1000BaseT PoE PSE ports 30W 802.3at, 2 universal SFP 100FX/GSX/GLX SFP port w/o SFP, VLAN tagging 802.1q, Q-in-Q, ,QoS 802.1p, trunking, RSTP, SNMP V2c, redundant input power terminal bloc 47-54Vcc.
	Layer2 manageable DIN-Rail switch, hardened -20 to +75°C working temperature, 4 10/100/1000BaseT POE PSE ports 30W 802.3at, 1 universal 10/100/1000BaseT port and 1 SFP 100FX/GSX/GLX SFP port w/o SFP, VLAN tagging 802.1q, Q-in-Q, ,QoS 802.1p, trunking, RSTP, SNMP V2c, redundant input power terminal bloc 47-54Vcc.
ACDC-H-48V-240W-DM	AC to DC48V 5A 240W adaptater for switch and media converter, temperature -25 to 65°C and 75% at 70°C, terminal block, DIN-Rail metal box