



## Long Range Wireless Access Points and Bridges.

### Product Description.

#### Product:- XWLAN SW1 – External Grade 8 port IP67 Ethernet Switch.

**Description:-** The XWLAN SW1 is a rugged IP67 rated (submersible) 8 port 10/100 Ethernet switch. This product has been designed to compliment the new UAP3 range of WiFi access points rated at IP66. The scenario for the use of these switches is that the UAP3 APs distribute the LAN across the proposed area of coverage and the SW1 subdivides the distributed LAN to local hardware requiring connectivity. For example Customer Information Signage at Railway stations can be connected to a single UAP3 on each platform as required. This external grade solution provides further flexibility to the XWLAN range of WiFi products covering more of the clients needs for distributed connectivity.

#### Key points:-

- Small in size and extremely rugged – rated at IP67.
- Can be powered up to 30m away.
- Vibration resistant to IEC68-2-6.
- 10/100 Mbps auto negotiation
- Full duplex capability with 1.4Gbps total bandwidth.
- Auto programming for fast, simple deployment.

#### Notes:-

Additional materials may be required to mount this equipment in your building. Unused ports must be sealed using the appropriate covers. Only XWLAN IP67 RJ45 connectors will maintain the IP integrity of the switch. Installation should be carried out by an experienced installer to achieve the best performance. A clean power supply is recommended.



## **Standards and Specifications:-**

### **Electrical**

- Required Power : 10-30V DC
- Power Consumption: 1.9W typical.
- Network Isolation: 1200V RMS for 1 min.

### **Environmental/Mechanical**

- Operating Temperature: -40°C to +80°C.
- Humidity: 5 – 95% (non-condensing)
- Power Connection: 4 pole mini-change connector.
- Environmental Rating: IP67 when mated with XWLAN RJ45 connectors and cables or closure caps.
- Electrical Safety: UL508
- Hazardous Location: UL1604, CSA 22.2/213 (Class 1, Div.2)
- EMI Emissions: FCC Part 15, Class B.
- EMC Immunity: EN61326A
- Vibration Resistance: To IEC68-2-6
- Weight 750g

### **Network**

- Ports: Eight 10/100 Base T(x), shielded RJ-45
- Ethernet Standards: IEEE 802.3, 802.3U, 802.3X.
- Ethernet Protocols: All Standard IEEE 802.3.
- Speed per port: 10 or 100Mbps (half duplex), 10 or 200Mbps (full duplex).
- Buffers: 1024, 128 Byte buffers available.
- Broadcast Storm
- Protection Broadcasts: Limited to 25% of available bandwidth.
- Flow Control: Supported for both TX and RX.
- Back Pressure Function: Inhibit stations from transmitting.
- Total Bandwidth: 1.4Gbps.

### **Warranty**

- Two-year return to base limited warranty from date of purchase.