Industrial 8-Port 10/100/1000T Wall-mounted Gigabit Ethernet Switch

Physical Port

• 8-port 10/100/1000BASE-T Gigabit RJ45 copper

Layer 2 Features

• High performance Store and Forward architecture

• IEEE 802.3x flow control for full pressure for half duplex operation

• 9K jumbo frame supported in 1000Mbps duplex mode

• Automatic address learning and address aging
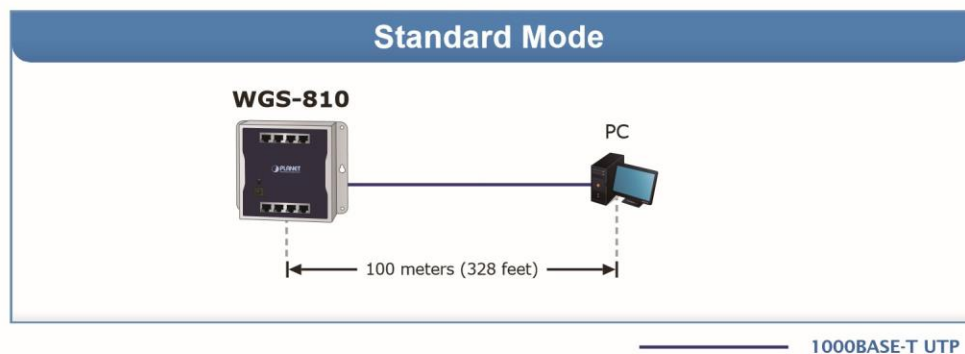
Industrial Case and Installation

• Compact size; fixed wall mounting, magnetic or DIN-rail mounting

• IP30 metal chassis

• Supports -10 to 60 degrees C operating temperature

• Supports ESD 4KV ESD protection

• 12V DC input range

Easily-deployed and Expanded Network

Designed to be installed in a wall enclosure or simply mounted at any convenient location on a wall, PLANET WGS-810 is an innovative, wall-mounted industrial 8-port Gigabit Ethernet Switch. It comes in a compact but rugged IP30 metal housing. Featuring ultra networking speed and operating temperature ranging from -20 to 60 degrees C, the WGS-810 is an ideal solution to meeting the demand for the following network

■ Building/Home automation network

■ Internet of things (IoT)

■ IP surveillance and wireless

The WGS-810 is able to operate reliably, stably and quietly in any environment without affecting its performance, and provides a quick, safe and easy deployment of home automation

Innovative Wall-mount Installation

The WGS-810 is specially designed to be installed in a as wall enclosure. The compact, flat and wall-mounted design fits space-limited location. It adopts the user-friendly **"Front Access"** design, the installing, cable wiring, LED monitoring and maintenance of the placed in an enclosure very convenient for technicians. The installed by **fixed wall mounting, magnetic wall mounting** or **DIN-rail mounting**, thereby making its usability more
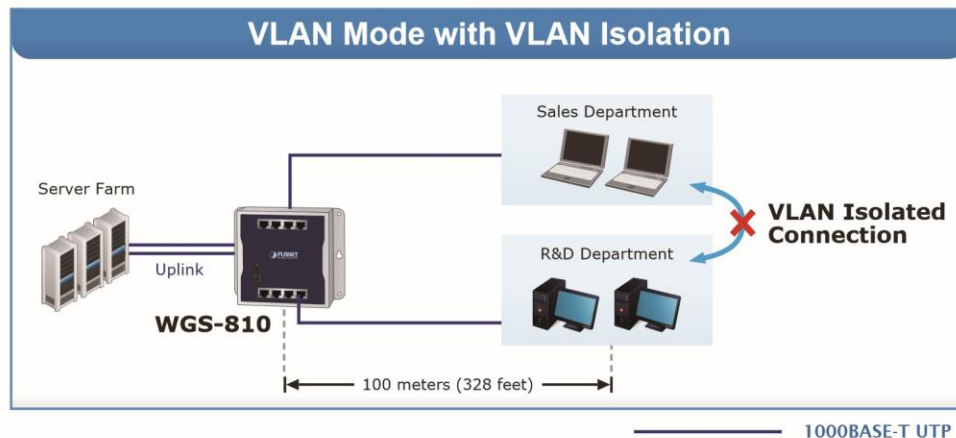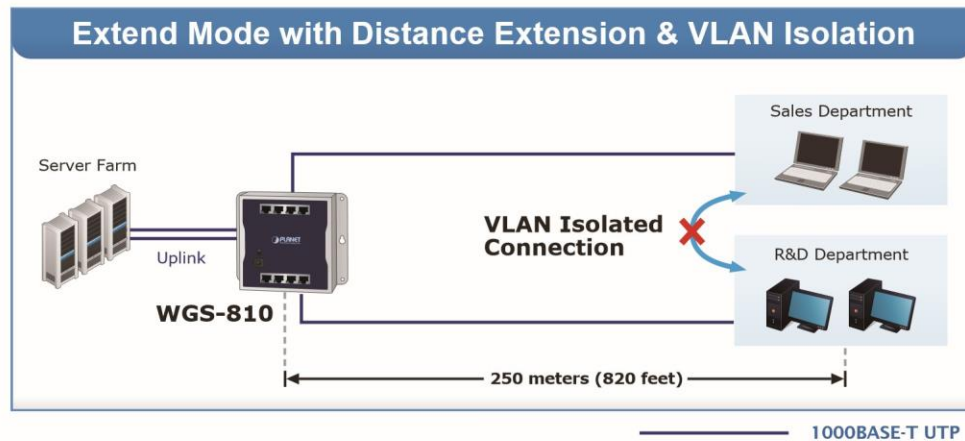
Standard, VLAN and Extend Operation Modes

The WGS-810 provides **Standard**, **VLAN** and **Extend** operation modes. The WGS-810 can operate as a normal gigabit switch in the standard operation mode.

The **VLAN operation mode** features the port-based VLAN function that can help to prevent the multicast or broadcast storm from influencing each other. With two uplink ports with 1000Mbps transfer rate, it ensures high-speed data and video transmission, and reliable assurance for connection between server farm and end users.

In the **Extend operation mode**, the WGS-810 operate on a per-port basis at 10Mbps duplex operation but over a distance of up to 250 meters overcoming the 100m limit on Ethernet UTP cable. It also supports VLAN isolation to isolate ports so as to prevent broadcast storm and defend DHCP spoofing in the extend operation mode.

Plug and Power Network Deployment

All of the RJ45 copper interfaces in the WGS-810 support 10/100/1000Mbps auto negotiation for optimal speed detection through RJ45 Category 6, 5 or 5e cables. The standard auto-MDI/MDI-X support can detect the type of connection to any Ethernet device without requiring special straight-through or crossover cables.

Ready to Go with IoT Generation

Internet is very popular the world over as users surf online daily with their mobile devices, such as smart phones, tablets, or laptop computers. However, users expect more from the convenience of Internet, like how to use their mobile devices to control something via the Internet, thus making life more convenient. The WGS-810 is based on such concept to help users implement the Internet of things (IoT) on the SOHO/Home network. Home automation is no longer a dream as Gigabit network can easily cloud IoT equipment, making it a smart home.

Applications

Industrial Area Switch for Data Collection and Forwarding

The WGS-810 is equipped with 8 10/100/1000Mbps ports that offer auto MDI / MDIX feature, 16Gbps non-blocking switch fabric and the 4K MAC address table so that wire-speed packets can be transferred safely. The Gigabit ports supporting 9K jumbo packet can handle large amounts of data transmission in a secure topology linking to a backbone switch or high-power servers. The WGS-810 with the slim type IP30 metal case is ideal for most heavy industrial demanding environments.

SOHO / Home-use Gigabit Ethernet Automation Network Deployment

With its expanded home-use feature, the WGS-810 Gigabit Ethernet Switch helps SOHO / home users to create an integrated network that is so easily utilized for transmission of data and video. The wireless AP and IP camera devices work perfectly with the WGS-810, which transmits data through the Ethernet cables, thus helping SOHO / home users to build a cost-effective and reliable Gigabit Ethernet networking environment easily.