



## UGS5805-DX

### 5-Port Gigabit Ethernet Switch

**10/100/1000Mbps SOHO**

#### FEATURES

- Complies with 10BASE-T specifications of the IEEE802.3 standard
- Complies with 100BASE-TX specifications of the IEEE802.3u standard
- Complies with 1000BASE-T specifications of the IEEE802.3ab standard
- 5 \* 10/100/1000Mbps RJ-45 Nway ports
- Supports NWay protocol for speed (10/100/1000Mbps) and duplex mode (Half/Full) auto-detection
- Supports MDI/MDI-X auto crossover
- Supports full and half duplex operation on all ports
- Supports back-pressure (half duplex) and flow control (IEEE 802.3x)
- Wire-speed packet filtering and forwarding rate
- Store-and-forward architecture filters fragment & CRC error packets
- Supports 8K MAC address entries in whole system
- 256KBytes buffer memory
- Supports extensive LED indicators for network diagnostics
- External power adapter

#### OVERVIEW

The device is a powerful, high-performance Gigabit Ethernet switch, with all ports capable of 10, 100 or 1000Mbps auto-negotiation operation (NWay), which means the switch could automatically negotiate with the connected partners on the network speed and duplex mode. It is ideal for micro-segmenting large networks into smaller, connected subnets for improved performance, enabling the bandwidth demanding multimedia and imaging applications.

Moreover, the 10/100/1000Mbps auto-sensing ability provides an easy way to migrate 10/100Mbps to 1000Mbps network with no pain. Compared to the shared 10Mbps or 100Mbps networks, the switch delivers a dedicated 10/100/1000Mbps connection to every attached client with no bandwidth congestion issue. This switch also supports auto MDI / MDI-X function. Each port could be used to connect to another switch or hub with no crossover RJ-45 cable.

Store-and-forward switching mode promises the low latency plus eliminates all the network errors, including runt and CRC error packets. To work under full-duplex mode, transmission and reception of the frames can occur simultaneously without causing collisions as well as double the network bandwidth.

The switch is plug-n-play without any software to configure and also fully compliant with all kinds of network protocols. Moreover, the rich diagnostic LEDs on the front-panel can provide the operating status of individual port and whole system.

**SPECIFICATIONS**

| System Specifications     |  |
|---------------------------|--|
| Standards                 | IEEE 802.3 10BASE-T<br>IEEE 802.3u 100BASE-TX<br>IEEE 802.3ab 1000BASE-T<br>IEEE 802.3x full duplex operation and flow control |
| Interface                 | 5 * 10/100/1000Mbps RJ-45 Gigabit Ethernet Ports   |
| Uplink                    | Auto MDI/MDI-X ( Auto crossover )  |
| Network Speed             | 10/100/1000Mbps & Full/Half duplex mode auto detection<br>(1000Mbps for Full duplex only)                                      |
| MAC Address Entry         | 8K MAC entries   |
| Filtering/Forwarding Rate | 10Mbps: 14,880pps/14,880pps<br>100Mbps: 148,800pps/148,800pps<br>1000Mbps: 1,488,100pps  |
| Memory                    | 256Kbyte   |
| LED Indicator             | System: Power<br>Per Port: 1000M; 10/100M; Activity  |
| Operating Temperature     | 0° - 50°C (32° - 122°F)  |
| Operating Humidity        | 10% ~ 90% (non-condensing)   |
| Dimension                 | 210 * 148 * 35 mm  |
| Power Supply              | External Power adapter 12VDC 1.25A   |
| Emission                  | FCC Class A, CE  |

**ORDERING INFORMATIONS**

| Model      | Description                    |
|------------|--------------------------------|
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*EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.*

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