

# Dax Gigabit Ethernet Switches



Gigabit Ethernet Switches from Dax are available in 16 or 24 port Gigabit Ethernet port models, with rugged metal casing design, ideal for small or medium businesses. These switches fit in 1U rack space and can be mounted on standard 19" racks with rack mounting brackets. All you need to do is to power on the switch, connect the patch cords, turn on your PCs and your network is up and running! Simple isn't it! Dax Gigabit Ethernet Switches are ideal for mission critical and high-bandwidth applications such as multimedia, imaging and database.

## Performance and Standards

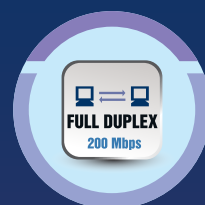
Dax Gigabit Ethernet Switches are compliant with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab and IEEE 802.3x flow control. With complete support for auto-negotiation, these Switches detect and transmit the packets at speeds up to either 10 Mbps or 100 Mbps or 1000 Mbps depending on the connected desktop node / Switch. These Switches support Auto MDI/MDIX function, eliminating the need for special Uplink ports or crossover cables. This also avoids excessive consumption of power.

## Switching Architecture

Gigabit Ethernet Switches receive and forward traffic seamlessly with its non-blocking wire speed performance architecture. Every port simultaneously supports up to 2000 Mbps of bandwidth in full duplex mode. This feature enables the switch to operate at full wire speed with the connected devices and allows you to run a congestion free network. By store and forward switching architecture these switches can maximize the network performance while minimizing the propagation of CRC error packets.

## Key features

- Wire speed packet filtering and forwarding rate
- Auto detection of speed (10 Mbps / 100 Mbps / 1000 Mbps)
- Auto detection of full duplex / half duplex mode
- Store – and – forward architecture
- Filtering of fragment and CRC error packets
- MAC address auto-learning and auto-aging
- LED indicators for monitoring power, link/activity
- 1U size switch - 19" rack mountable
- Metal casing, Internal Universal AC power supply



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## Technical Specification

| Model                               | DX-5016PG   | DX-5024PG                                    |
|-------------------------------------|---|--|
| <b>Ports</b>                        | 16 # 10/100/1000 Mbps auto-negotiation ports  | 24 # 10/100/1000 Mbps auto-negotiation ports |
| <b>Standards</b>                    | IEEE 802.3 10BaseT<br>IEEE 802.3u 100BaseTX<br>IEEE 802.3ab 1000BaseT<br>IEEE 802.3x Flow Control |  |
| <b>Transmission method</b>          | Store and Forward   |  |
| <b>Filtering / Forwarding Rates</b> | 1000Mbps port – 1,488,000pps<br>100Mbps port – 148,800pps<br>10Mbps port – 14,880pps              |  |
| <b>Backplane bandwidth</b>          | 32 Gbps   | 48 Gbps                                      |
| <b>Performance</b>                  | 23.8 Mpps   | 35.7 Mpps                                    |
| <b>Connectors</b>                   | RJ-45   |  |
| <b>Cable</b>                        | 100BASE-TX/1000Base-T: UTP Cat. 5E or higher  |  |
| <b>LED</b>                          | Per Unit: Power<br>Per Port- LINK Status, Port activity status, Link speed                        |  |
| <b>Access Method</b>                | CSMA/CD   |  |
| <b>Dimensions</b>                   | 440 x 220 x 44 mm (L x W x H)   |  |
| <b>Power</b>                        | 100 - 240VAC 50/60Hz  |  |
| <b>Power Consumption (Max)</b>      | 9 Watts   | 16 Watts                                     |
| <b>Temperature</b>                  | Operating: 0 ~ 40°C<br>Storage: -20°C ~ 70°C  |  |
| <b>Humidity</b>                     | Operating: 5% ~ 90% non condensing<br>Storage: 5% ~ 90% non condensing                            |  |
| <b>EMC Certification</b>            | FCC Class B, CE   |  |

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## Ordering Information

**DX-5016PG:** 16 Port 10/100/1000 Base-T Gigabit Ethernet Switch with internal AC power supply

**DX-5024PG:** 24 Port 10/100/1000 Base-T Gigabit Ethernet Switch with internal AC power supply

**Dax Gigabit Ethernet Switches** are brought to you by Dax (An Apcom Company) one of India's most renowned, technically qualified Data/ Voice Networking vendor. Dax offers an India-Centric, diverse product range which conforms to the highest world standards and meets the “edge to core” networking technology needs of all verticals. Dax is probably the most respected independent OEM supplier in India.

In the last 25 years, Dax has made wide country inroads through its Enterprise networking partners and national ADSPs. Dax is synonymous with high business ethics, consistent quality, optimized performance and support- commitment to Indian customers which supersedes MNC standards. Dax continues to synergistically work with Indian Customers to design products and networking solutions.

Today, Dax is the one of the Top Networking companies in India. We have achieved this status by a combination of relentless single-minded focus on cutting edge Networking technologies and a proud dedication (since 1986), to true professionalism.

## Other Dax Offerings



|               |                          |  |
|---------------|--------------------------|--|
| <b>Access</b> | <b>Connectivity</b>      | Dax Networks Limited   |
| Routers       | Switches                 | No:11, 2 <sup>nd</sup> Cross Street, Karpagam Gardens, Adyar, Chennai- 600 020 |
| Wireless      | Cabling                  | Ph: 044-4292 3558  |
| LAN Extenders | Network Attached Storage | Fax: 044-4292 3567   |
| Modems        | IP Surveillance          | Toll Free : 1800-4255-Dax  |
|               |                          | E-mail: <a href="mailto:help@dax.in">help@dax.in</a>                           |
|               |                          | Website: <a href="http://www.daxnetworks.com">www.daxnetworks.com</a>          |
|               |                          | An Apcom Company   |

- ❖ Information in this document is subject to change without notice
- ❖ Product image is an approximate guide only