D-Link Introduces Managed High Port Density Multi-Layer 2/3 Routing Switch

- *Managed Layer2/3 multi-functional switch enhances business network's performance*
- *96 10/100Mbps Ports or 12 GBIC ports*
- *Managed Routing*
- *For Departmental/Enterprise*

Sydney & Auckland, April 2, 2003 - D-Link, a worldwide leader in design, development, and manufacturing of networking, broadband, wireless, and communications technologies, today announced the DES-6300 multi-layer Ethernet chassis-based managed switch for diversified network environments

The DES-6300 is a multi-layer routing switch that combines packet switching with wire-speed routing, multi-link aggregation and quality of service. The 7-slot chassis offers flexible configuration and ideal price vs. performance ratio.

Up to 96 10/100Mbps dual-speed ports can be configured for the switch, each port supporting full/half duplex, flow control and multi-link trunks.

For fibre installations, up to 72 100BASE-FX Fast Ethernet MTRJ fibre ports or 48 100BASE-FX SC fibre ports can be configured. However, a combination of 100Mbps fibre, twisted-pair and Gigabit ports is a more common configuration.

"The D-Link DES-6300 combines high bandwidth with flexible connection and easily adapts to a network's different speed and cable requirements," said Maurice Famularo, marketing manager, D-Link Australia & New Zealand"

Wire-speed IP Routing

Instant support for Windows, NetWare, UNIX, AppleTalk and Internet environments. Non-blocking switch fabric provides hardware-based packet filtering/forwarding.

Seamless Integration

The DES-6300 can be instantly integrated into any existing network for seamless integration of multi-layer packet switching. With multilayer support for every port, you can flexibly segment the network into domains and sub-domains, using (1) subnet, user and server IDs to route traffic, and (2) custom filters based on users' physical MAC addresses to filter extraneous traffic. At Layer 2, the switch uses auto learned and user-defined MAC addresses to discard and forward packets. At higher layers, it looks at the routing table to route packets to their destinations.

Scalable Port Density

With a modularized design and a wide range of port selection from Ethernet/Fast Ethernet to twisted-pair and fibre Gigabit, this switch provides for easy, scalable expansion. Bandwidth migration is simple with 10/100/1000Mbps multi-speed support and module hot swapping capability. This architecture provides for great flexibility and investment protection.

Up to 96 Fast Ethernet or 12 Gigabit Ports

You can configure the switch with up to 96 10/100Mbps Fast Ethernet ports, 72 100Mbps fibre ports, 12 Gigabit ports, or a combination of these. Copper and fibre Gigabit ports (SX, LX and GBIC included) are provided. This flexible configuration allows you to install Fast Ethernet for workstation connections, copper Gigabit for departmental server connections, and fibre Gigabit for backbone/campus attachments.

VLANs for Performance & Security

When operating at Layer 2, you can set up VLANs for different ports or users to set broadcast domains and segment network traffic to manage available bandwidths and enhance network security.

IEEE 802.3ad Multi-Link Trunks

Users can combine up to 8 Fast Ethernet ports into a multi-link trunk to create a 1600Mbps full duplex aggregated bandwidth to connect to a server or to another switch. Up to 2 Gigabit ports can be combined together. Up to 16 multi-link trunks can be created.

Quality of Service (QoS)

Classification and prioritization of packets using IEEE 802.1p (L2), IP, TOS, DSCP bits and IP source/destination addresses (L3) and TCP/UDP port number (L4), which is essential for delay-sensitive applications like IP telephony and video-conferencing.

IP Multicast (IGMP snooping)

The switch listens to IGMP messages to build mapping table and associate forwarding filters. It uses GMRP to dynamically configure the switch ports to forward IP multicast traffic only to those ports associated with multicast hosts.

Maximum Uptime

Hot-swap and optional redundant power supply gives added reliability for mission-critical applications.

About D-Link

True Networking Pioneer and Hardware Manufacturer Since 1986.
D-Link is a worldwide leader and award-winning designer, developer, and true manufacturer of networking, broadband, digital electronics, and voice and data communications solutions for the digital home, Small Office/Home Office (SOHO), Small to Medium Business (SMB), and Workgroup to Enterprise environments. With global manufacturing International Standards Organization ISO 9001, 9002, ISO 14001 Certifications and numerous National Technical Excellence awards earned for R&D and manufacturing, D-Link delivers product excellence, quality, reliability, compatibility, high-performance within standards, and easy installation software, educational materials, and manuals.

The company has increased its world-class production capacity to more than a million square feet of manufacturing facilities in six state-of-the-art factories in four countries -- Taiwan, China, India, and the United States. With millions of Ethernet adapters and millions of hub and switch ports manufactured and shipped, D-Link is a dominant market participant and price/performance leader in the network and communications market. D-Link has been profitable every year since its inception in 1986, and continues to grow at a rate that will allow the Company to experience continued prosperity, D-Link sets the standards for market affordability, while focusing on "Building Networks for People."

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