

Allied Telesyn launches AT-8948 fast ethernet multi-layer switch

Built to meet the needs of high performance network services for enterprise, education, and telecommunications service provider customers

Allied Telesyn International (Australia), provider of refined end-to-end networking technologies, today announced the AT-8948 series of Fast Ethernet Multi-layer switches. Combined with Allied Telesyn's advanced networking software, AlliedWare, the new AT-8948 series is a switching solution that is ideal for high-end access to combined video, data and voice applications.

The AT-8948 is a 48-port multi-layer switch that yields wire-speed Layer 3 IPv4 and IPv6 switching performance.

IPv6 is set to bring the Internet to any device from a PDA to a mobile phone. While IPv4's 32-bit addresses are limited to 4 billion addresses in the world, IPv6 is 28 bits and gives a staggering 85 octillion (85 x 10²⁷) more IP addresses. This removes the need for Network Address Translation (NAT) and also simplifies the AT-8948 customer's future migration from IPv4 to IPv6.

The 8948 is the first member of the x900 family, designed to further advance Allied Telesyn's layer 3+ switch feature set and reliability, all housed in an efficient, slim-line form factor, said Malcolm Walsh, Product Manager, Allied Telesyn Research, New Zealand.

AT-8948 FAST ETHERNET MULTI-LAYER SWITCH

This switch series was developed with VoIP and multimedia in mind, for enterprise, education, and service provider customers. It is optimised for superior quality of service in metro ethernet applications, and next generation Internet support for hardware routing of IPv6. The feature sets deployed for the first time in the 8948 model will be applied to the rest of the x900 family, providing high-density gigabit and 10-gigabit solutions to complement it, he said.

The new switch comes packaged with dual, hot-swappable, load-sharing power supplies in a standard IU rack mount chassis. Combined with front-to-back cooling, this makes it perfect for high-density rack environments where space is at a premium.

The cooling fans are integrated into the power supplies so the PSU can be hot-swapped, avoiding the need for the AT-8948 to be returned for repair if the fan, PSU or power source should fail. This minimises downtime and interruption to services. Hot-swappable SFP interfaces on the Gigabit uplink ports allow extreme port flexibility, and support any combination of gigabit copper or fibre for short or long haul networks.

A compact flash port on the front panel allows easy scalability and user access. The asynchronous management port is also on the front panel.

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Other than the fact that this is an IPv6 wire speed switch, bringing with it all the benefits of IPv6, the AT-8948 has been designed to lower infrastructure costs for telecommunications service providers while preparing for IPv6, said Mark Jackson, Managing Director of Allied Telesyn (Australia). Similarly, higher education can benefit from IPv6 now by using this product to merge IPv4 with IPv6. This allows the university or college to future-proof their network, ready to take advantage of advanced IPv6 feature sets such as QoS at wire speed which will enable the introduction of solutions such as multicasting video, he said.

Pricing and Availability

The AT-8948A 10/100TX x 48 ports Fast Ethernet SFP slots x 4 with 128MB SDRAM for the CPUA is available now with a list price of AUD\$7,500 ex GST.

The AT-8948P 10/100TX x 48 ports Fast Ethernet SFP slots x 4 with 256MB SDRAM for the CPUA and an IPv6 accelerator card fitted is available now with a list price of AUD\$15,500 ex GST.

Government and education pricing is available. Dealers to contact Allied Telesyn distributor partners. For more information please go to www.alliedtelesyn.com.au or call 1800 000 880.

AT-8948 FAST ETHERNET MULTI-LAYER SWITCH

Features at a Glance

Layer 2 & 3 IPv4 & IPv6 routing all at wire speed

37.6Gbps switch fabric yielding 3.1Mpps performance

Up to 256K L3 address table entries

Supports full 4096 VLANs with VLAN double tagging

Private VLANs

Supports 4096 Layer 3 interfaces

Front to back cooling for optimum rack/cabinet airflow

Operating temperature extends to 50C Internal dual hot-swappable AC or DC load-sharing power supplies

A Compact Flash port accessible via the front panel

Asynchronous management port available via the front panel

Full environmental monitoring, with alerts to network manager in case of failure of PSU or FAN

Extensive wire speed traffic classification

Policy based QoS features

Min/max bandwidth control with bandwidth slice resolution down to 1Kbps on ingress

Buffered max bandwidth control at egress on all ports, & on each of 8 egress queues per port

3 drop precedence (green, yellow & red) per priority queue on egress for improved TCP-IP bandwidth limiting performance

SNMP w/ extensive MIB support

Advanced routing protocols OSPF, BGP4, IS-IS, RIP & RIPv2, DVMRP, PIM-SM, PIM-DM

Port trunking

Port mirroring

Wire speed multicasting

Secure SSH capability on management & access

About Allied Telesyn International

Allied Telesyn International, provider of refined end to end networking technologies, was founded in 1987. The companys complete range includes routers, network extenders, media converters, switches, wireless, transceivers, LAN, adapter cards, network software and hubs.

The attributes which have led Allied Telesyn International to achieve its world number one position in both the enterprise sector and small to medium business segment can be summarised by four key elements: its business focus on networking technology for professional markets, where it has proved to be the only company capable of providing a total end to end solution at a high price/performance ratio; the ability to handle every aspect of its own products from design to marketing; the development of components and solutions which accommodate flexible, efficient and reliable network construction; and support from sound warranty terms and quality services.

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Allied Telesyn International has its main offices in Tokyo, Bothell (USA) and Chiasso (Switzerland) with over 2,000 employees worldwide. The companys Australian division was established in Sydney in 1996. For more information go to: www.alliedtelesyn.com.au.