Telco's and Service Providers to benefit from VDSL2 IP DSLAMs with ADSL2/2+ Fall Back Support

Lan 1 and ZyXEL strengthens its Multi Service Access Node (MSAN) offering with 24-port and 48- port VDSL2 line cards

Sydney, July 9, 2008 – Lan 1 is pleased to announce two new Broadcom based VDSL2 line cards for its ZyXEL MSAN range - the VLC1324G-51, 24-port and VLC1348G-51, 48-port (double-density) line cards. ZyXEL is one of the first companies in the world to produce highest port density VDSL2 solutions with ADSL2/2+ fall back capability.

As one of the largest VDSL2 manufacturers worldwide, with over 5 million port shipments to date, ZyXEL has various form factors of VDSL2 products ranging from 8-port stand-alone products up to maximum 768 ports chassis-based MSAN products. With expertise in diverse technologies including ADSL2/2+, VDSL2, G.SHDSL, GEPON/GPON and Gigabit Ethernet, ZyXEL has all of the equipment for different FTTx deployment scenarios, helping ease the transition for service providers to next generation IP networks that offer rich, value-added voice, data and video services.

The VLC1324G-51 and VLC1348G-51 line cards are ideal for Telcos using VDSL2 technologies for higher bandwidth applications in fiber-to-the-node / neighborhood (FTTN) scenarios. VDSL2 is also a popular technology for MTU/MDU in-building broadband DSL applications for Telcos and service providers.

"We have been providing complete VDSL2 solutions to the Australian market for over two years, providing our partners with the ability to deliver cost-effective, high-bandwidth broadband access to enterprise, hospitality, commercial and residential buildings over existing copper wiring" said Mark Roberts, Business Manager for Lan 1. *"Ethernet over VDSL2 has changed the fundamental economics of broadband services, next generation network capability is here today, allowing service providers to offer high bandwidth (triple play) services to SMB and corporate customers alike*.

The VLC1324-51 and VLC1348G-51 line cards complement ZyXEL's existing IES-5005/5000/6000 MSAN chassis product lines with the latest Broadcom-based VDSL2 chipsets. These line cards fit into ZyXEL's chassis-based MSAN products namely IES6000, IES5000 and IES5005.

The new VLC1324/48G-51 line cards support up to 100Mbps high bandwidth with seven different profiles so service providers can configure ports based on different service offerings . In addition to higher bandwidths, ZyXEL's VDSL2 offering significantly extends the loop distance to 19,000 feet. The ADSL2/2+ fall back provides the Telcos increased interoperability with different xDSL CPEs and flexibility so they can now, depending on the distance and bandwidth requirements, offer different services to different customers using the same line card. The line cards support IEEE 802.1ag Connectivity Fault Management (CFM) enabling service providers to detect, analyze and isolate faults in bridged LANs thus reducing support costs and improving service uptime. Also available are several advancement in Quality of Service features like downstream power back-off (DPBO), upstream power back-off (UPBO), rate adaption and PHY-R from Broadcom enabling service providers to improve line quality and offer superior IPTV and VoD services.

Editor's Summary:

- ZyXEL's VLC1324G-51, 24-port and VLC1348G-51, 48-port (double-density) line cards are ideal for Telcos using VDSL2 technologies for higher bandwidth applications in fiber-to-the-node / neighborhood (FTTN)

1	Sydney	Brisbane	Melbourne	Perth
Tel:	02 9318 4200	1300 301 053	03 9673 3700	08 9221 5911
Fax:	02 9319 6797	1300 301 054	03 9645 6430	08 9221 3811

www.Lan 1.com.au
ABN: 48 059 059 522

scenarios.

- The new VLC1324/48G-51 line cards support up to 19,000 feet loop distances and 100Mbps high bandwidth with seven different profiles. So service providers can configure ports based on different service offerings.

- ADSL2/2+ fall back provides the Telcos increased interoperability with different xDSL CPEs and flexibility so they can now, depending on the distance and bandwidth requirements, offer different services to different customers using the same line card.

- Also available are several advancement in Quality of Service features like downstream power back-off (DPBO), upstream power back-off (UPBO), rate adaption and PHY-R from Broadcom enabling service providers to improve line quality and offer superior IPTV and VoD services.

###

Lan 1 is a value added distributor providing a diverse range of IP products. Established in 1993, Lan 1 is headquartered in Waterloo, Sydney, Australia, with branch offices in Brisbane, Melbourne and Perth.

Lan 1 aims to provide more than products. Channel partners are provided with the essential tools to effectively design, market, implement and configure a complete range of IP products and solutions. Our focus is on supporting our partners using proven best-practices to ensure success throughout the entire channel.

Offering strong brand names and a high level of personalised service and support, specialised product training programs and pre/post sales co-marketing, Lan 1 partners will gain the vital knowledge to successfully provide customers with a complete working solution, resulting in rapid growth in their respective market segments.

High resolution images available on request.

For further information or to arrange an interview with Mark Roberts, Networking Business Manager, Lan 1, please contact Mathew Bertram on (02) 9318 4215 or email mbertram@lan1.com.au.

2	Sydney	Brisbane	Melbourne	Perth
Tel:	02 9318 4200	1300 301 053	03 9673 3700	08 9221 5911
Fax:	02 9319 6797	1300 301 054	03 9645 6430	08 9221 3811

www.Lan 1.com.au
ABN: 48 059 059 522