G.SHDSL

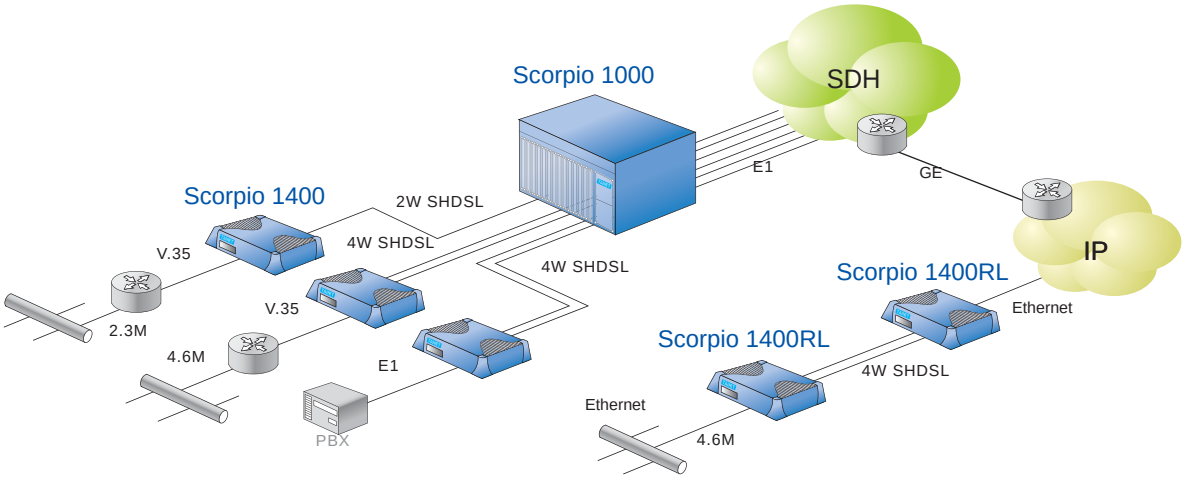
Scorpio 1400

Scorpio 1000

- Fully compatible with ITU-T G.991.2 and G.994.1
- Versatile interface available: T1, E1, V.35, V.36, EIA-530, X.21 and Ethernet
- Embedded operations channel (EOC) for control and diagnostics for CO and CPE
- Hot swappable for all modem cards
- TFTP firmware upgrade available
- Redundant power supply available

xDSL is a generic abbreviation for diverse types of DSL or Digital Subscriber Line technologies. DSL refers to the transmission technology used between customer's premise and the telephone company, enabling more bandwidth over existed copper lines. This DSL technology can solve the bottleneck problem often occurring to the last mile between network service providers and the users.

Here, TAINET offers the total solution with the xDSL technology such as IDSL, MSDSL, and G.SHDSL. Based on different coding technology, xDSL supports various bandwidths for different applications. Other than customer-end standalone CPE equipment, TAINET also provides CO-end rack equipment for carrier-class customers. These equipments can be integrated into TAINET's UNMS for unified network management, and the customer-end DSL CPEs can be monitored and configured from the central office. In this way, the cost and effort for managing the entire network are then minimized.



TAINET
Headquarters
No. 25, Alley 15, Lane 120, Sec. 1.
Nei-Hu Rd, 114 Taipei, Taiwan
TEL: 886-2-2658-3000
FAX: 886-2-2658-3232
E-mail: sales@tainet.net

G.SHDSL product family

Scorpio 1000/1400 is a series of G.SHDSL modems and routers adopting 16 TC-PAM line coding, equalization, adaptive filtering, and echo cancellation technologies. The Scorpio 1000/1400 provides high-speed symmetric data transmission over a single/dual twisted-pair copper cable and allows multiple xDSL lines to coexist on the same cable bundle. The transmission data rate can be up to 2304Kbps for the 2-wire solution and up to 4608Kbps for a 4-wire solution.

Scorpio 1000

Scorpio 1000 provides G.703, V.35 and LAN interfaces to accommodate different applications in a single universal rack. The system can be managed through the built-in SNMP agent. Each of the ANSI and ETSI shelves has 14 and 16 card slots and can accommodate up to 28 or 32 G.SHDSL modem ports respectively. Within this universal rack users can create high port-density configuration for data and voice services at the Central-Office (CO).

Scorpio 1400

Scorpio 1400 modularized design. Two slots are available on one modem card; the DTE1 slot is for E1/T1 module, and the DTE2 slot, for standard digital interfaces such as V.35, V.36/RS-449, EIA-530, and X.21/V.11. Users can easily switch between these two slots via the front panel LCD control or the ANSI compatible craft interface. Furthermore, the Scorpio 1400's built-in Ethernet port supports the SNMP agent with the standard MIB files.

Scorpio 1400RL

Scorpio 1400RL provides a high-speed symmetric LAN-to-LAN application over a single/dual twisted-pair copper cable. The Scorpio 1400RL is an ideal solution for various applications by using leased line connections such as Internet access, peer-to-peer file sharing, Web Hosting, Internet Gaming and Video Conference. The router can be configured to work as a desktop CPE device or a stand-alone CO unit.

	Scorpio 1400	Scorpio 1400RL	Scorpio 1000
Line Code	16 TC-PAM		
Pairs	One/Two		
Max. Data Rate	4.6 Mbps (4W) / 2.3 Mbps (2W)		
Data Rate	N=2 ~ 72 (4W) / N=1 ~ 36 (2W)		
Timing Source	Internal/DTE/Loop/DTE-Hybrid		
EOC	Supported		
Power Backoff	Supported		
Management	LCD (For Scorpio 1400/1400RL), VT-100, Telnet		
SNMP Agent Management	SNMP management available		
Universal NMS	Supported		
Interface	E1/T1/V.35/RS-530/X.21	Ethernet	E1/T1/V.35/RS-530/X.21