

### Proscend 140

#### ADSL2+ / VDSL2 Multi-DSL Router

#### Description

The Proscend 140 is a leading Multi-DSL router support both ADSL2+ and VDSL2.

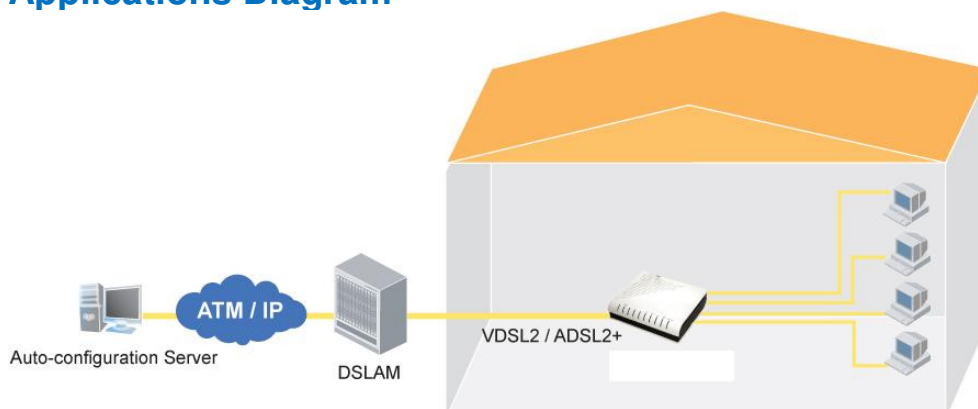
VDSL2 is a brand new standard and technology that is perfectly suitable for triple play (Video, Voice and Data) applications. Four 10/100 Base-T Ethernet ports are to provide wired LAN connectivity. The Proscend 140 is a cost effective solution, designed to meet the needs of ISPs and carriers that intend to use one DSL device to cover end users in different loop range areas. Using only one DSL device creates savings for the TCO of ISP and carrier, while simultaneously providing valuable services without the need for upgrade.



#### Features

- Supports both ADSL2+ and VDSL2
- Automatically switches to ADSL2+ /VDSL2 according to the port setting of DSLAM
- Support up to VDSL2 17a Profile
- UPnP
- RADIUS client
- IP/MAC address filtering
- Static route/RIP/RIP v2 routing functions
- Dynamic IP assignment
- IP QoS
- NAT/PAT
- IGMP Proxy and fast leave
- DHCP Server/Relay/Client
- DNS Proxy
- Auto PVC configuration
- Per-VC packet level QoS
- Up to 16 VCs
- Embedded SNMP agent
- Web-based management
- Supports remote administration, automatic firmware upgrade and configuration
- Supports TR-069/TR-098/TR-104/TR-111
- Configuration backup and restoration
- FTP/TFTP server

#### Applications Diagram



## Specifications

### Hardware Interface

RJ-11 X1 for ADSL2+/VDSL2, RJ-45 X 4 for LAN (10/100 Base-T), Reset Button X 1, Power switch X 1

### WAN Interface

ADSL standard	ITU-T G.992.5, ITU-T G.992.3, ITU-T G.992.1, ANSI T1.413 Issue 2, AnnexM	
ADSL2+	Downstream : 24 Mbps	Upstream : 1.3 Mbps
VDSL2 standard	ITU-T G.993.2 (supporting profile 8a, 8b, 8c, 8d, 12a, 12b, 17a)	
VDSL2	Downstream : 100 Mbps	Upstream : 60 Mbps

### LAN Interface

Standard	IEEE 802.3, IEEE 802.3u
10/100 BaseT	Auto-sense
MDI/MDX support	Yes

### ATM Attributes

RFC 2364 (PPPoA), RFC 2684 (RFC 1483) Bridge/Route; RFC 2516 (PPPoE); RFC 1577 (IPoA)	
Support PVCs	16
AAL type	AAL5
ATM service class	UBR/CBR/VBR
ATM UNI support	UNI 3.1/4.0
OAM F4/F5	Yes

### Management

TR-069/TR-098/TR-104/TR-111, SNMP, Telnet, Web-based management, Configuration backup and restoration  
Software upgrade via HTTP, TFTP server, or FTP server

### Bridge Functions

Transparent bridging and learning	IEEE 802.1d
VLAN support	Yes
Spanning Tree Algorithm	Yes
IGMP Proxy	Yes

### Routing Functions

Static route, RIP, and RIPv2, NAT/PAT, DHCP Server/DHCP Relay, DNS Proxy, ARP

### Security Functions

Authentication protocols PAP, CHAP,  
TCP/IP/Port filtering rules, Port triggering/Forwarding, Packet and MAC address filtering, access control, SSH

### QoS

L3 policy-based QoS, IP QoS, ToS

### Application Passthrough

PPTP, L2TP, IPSec, VoIP, Yahoo messenger, ICQ, RealPlayer, NetMeeting, MSN, X-box, etc

### Power Supply

External power adapter Input: AC100-240V, Output: DC12V / 1.0A

### Environment Condition

Operating temperature	0 ~ 50 degrees Celsius
Relative humidity	5 ~ 95% (non-condensing)

### Dimensions

160 mm (W) x 48 mm (H) x 135 mm (D)

Kit Weight (1\*Proscend 140, 1\* RJ-11 cable, 1\* RJ-45 cable, 1\* Power Adapter, 1\* CD-ROM)  
0.95 KG

\* Features and specifications are subject to change without notice

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