

48-Port IP DSLAM



With the built-in POTS splitter 48 ADSL / ADSL2 / ADSL2+ Subscriber ports, the PLANET IDL series are advanced IP based DSLAM which is designed for Network Service Provider to offer excellent services for multiple subscribers. The replaceable 1000Base-T or 1000Base-LX uplink interfaces and stackable support feature provide the flexibility of the network implementation.

The PLANET IDL series support local and remote managed capabilities of CLI, SNMP and Telnet via RS-232 CID and Ethernet MGNT ports. The GUI Management system which is based on Microsoft Windows provides Network Service Providers a centrally managed capability.

The PLANET IP DSLAM provides many features, such as QoS, VLAN, Bandwidth Management, Traffic Prioritization, and Data Flow Security Control. The IDL-4800 / IDL-4801 offer Network Service Providers the most suitable solution and make subscribers an efficient way to meet triple play (data, voice, and video).

KEY FEATURE

- 48-Port ADSL / ADSL2 / ADSL2+ subscriber interface with build-in POTS splitter
- DMT data rate: Downstream 32 kbps up to 25 Mbps / Upstream 32 kbps up to 1Mbps
- 1000Base-T (IDL-4800) or 1000Base-LX (IDL-4801) uplink interface
- Stackable support
- GUI management which is based on Microsoft Windows
- Local RS-232 CLI and Ethernet SNMP / Telnet management
- Upgradeable firmware via FTP or TFTP
- 6K MAC address and 256 Multicast MAC address support
- Static VLAN and Port based on VLAN
- VLAN / MAC / IP filtering
- Access Control List by MAC and IP address
- Traffic prioritization (802.1p)
- Traffic bandwidth management by MAC and IP address

SPECIFICATION
Product 48-Port IP DSLAM

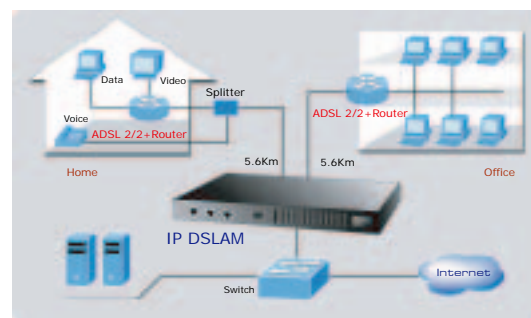
Model	IDL-4800	IDL-4801
Hardware Specification		
Ports	Uplink 1 1 x RJ-45 (10/100/1000Base-T) Uplink 2 1 x RJ-45 (10/100/1000Base-T) MGNT 1 x RJ-45 (10/100/1000Base-T) Console 1 x RS-232 Line 2 x Telco-50 Phone 2 x Telco-50	1 x SC (1000Base-LX) 1 x RJ-45 (10/100/1000Base-T) 1 x RJ-45 (10/100/1000Base-T) 1 x RS-232 2 x Telco-50 2 x Telco-50
LED Indicators	1 x POWER LED 1 x MAINT LED 1 x ALARM LED 1 x MASTER LED 48 x ADSL LEDs 2 x 1000/ACT LEDs 3 x 100/ACT LEDs	1 x POWER LED 1 x MAINT LED 1 x ALARM LED 1 x MASTER LED 48 x ADSL LEDs 1 x 1000/ACT LEDs 2 x 100/ACT LEDs 1 x GIGA LED 1 x ACT LED
Software		
Standard	Compliant with ADSL standard - ANSI T1.413 issue 2 - G.dmt (ITU G.992.1) - G.lite (ITU G.992.2) - G.hs (ITU G.994.1) Capable of ADSL2 standard - G.dmt.bis (ITU G.992.3) Capable of ADSL2+ standard - G.dmt.bisplus (ITU G.992.5)	
Protocol	STP, IGMP snooping, GMRP, GVRP, LACP, SNMP / UDP / IP / MAC / Ethernet	
Multicast	Up to 256 multicast addresses IGMP v1, v2, v3 Multicast VLAN mapping: Independent VLAN multicast (IVM) Multicast VLAN mapping: Shared VLAN Multicast (SVM) Handle PPPoE Encapsulated IGMP packets	
System	Subscriber interface with built-in POTS splitter Downstream DMT data rate 32 kbps up to 25 Mbps Upstream DMT data rate 32 kbps up to 1Mbps Extended power management capabilities to optimize power consumption for each application Distance up to 18 kft 1000Base-T / 1000Base-LX uplink interface via model Stackable support Centronic 50 pin connector for Telco line in and out 8 VCs per xDSL port 128 MAC address per x DSL port 6K MAC address Ethernet Bridging: Broadcast, Flooding / Dropping VLAN Bridging: 512 VLAN, Static VLAN, VLAN Stacking / Trunking Packet size 64 byte to 1522byte PPPoE Intermediate Agent DHCP Relay Agent IPOA to IPOE Tunneling PPPoA to PPPoE inter-working Input Rate Limiting (IRL) on a per-AAL5 interface Output Rate Limiting (ORL) on a per ATM-port and Ethernet basis Rate Limiting Multiple mechanisms of prioritizing traffic	

Security	VLAN filtering MAC filtering IP filtering Access Control List by MAC address Access Control List by IP address Throttling Control Sticky Bridge Ports
Management	GUI management based on Microsoft Windows Local RS-232 CLI, and Ethernet SNMP / Telnet management Remote in-band SNMP / Telnet management Upgradeable firmware via FTP or TFTP SNMP v1, v2c
Environment	
Power Requirement	90~240 VAC, 2.5A, 50~60 Hz
Dimension (W x D x H)	440 x 400 x 44 mm
Environmental	Temperature: 0 ~ 50°C Humidity: 5 ~ 90% (non-condensing)
Emission	CE, FCC

APPLICATIONS

Perfect solution for NSP (Network Service Provider) to offer broadband services

The PLANET IDL series offer the benefit of high performance to central office co-location and MTU (Multi-Tenant Unit) / MDU (Multi-Dwelling Unit) markets. It provides service of broadband data over existing copper wires without affecting the conventional voice service by 48 subscriber ports with built-in POTS splitter. A PLANET IP DSLAM is the perfect solution for NSP with cost-effective and high-value centrally managed capability.



ORDERING INFORMATION

IDL-4800	48-Port IP DSLAM (Annex A)
IDL-4801	48-Port IP DSLAM with 1000Base-LX (Annex A)
IDL-PAN-48	IDL MDF Patch Panel
IDL-CBL-5	IDL 5-Meter Cable