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

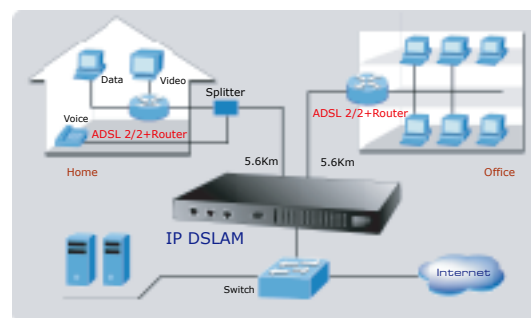Data Sheet

SPECIFICATION

Product		48-Port IP DSLAM	
Model		IDL-4800	IDL-4801
Hardware Specification			
Ports	Uplink 1	1 x RJ-45 (10/100/1000Base-T)	1 x SC (1000Base-LX)
	Uplink 2	1 x RJ-45 (10/100/1000Base-T)	1 x RJ-45 (10/100/1000Base-T)
	MGNT	1 x RJ-45 (10/100/1000Base-T)	1 x RJ-45 (10/100/1000Base-T)
	Console	1 x RS-232	1 x RS-232
	Line	2 x Telco-50	2 x Telco-50
	Phone	2 x Telco-50	2 x Telco-50
LED Indicators		1 x POWER LED	1 x POWER LED
		1 x MAINT LED	1 x MAINT LED
		1 x ALARM LED	1 x ALARM LED
		1 x MASTER LED	1 x MASTER LED
		48 x ADSL LEDs	48 x ADSL LEDs
		2 x 1000/ACT LEDs	1 x 1000/ACT LEDs
		3 x 100/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

04-07   C-IDL4800/4801-1