48-Port ADSL 2/2+ IP DSLAM

The PLANET IDL-4802 is a 48-Port ADSL/ADSL2/ADSL2+ mini IP DSLAM which equips with combo electrical (RJ-45) and fiber optical (SFP) uplink interfaces offering scalable and easy deployment for the network with small ADSL environment. With the built-in POTS splitter subscriber ports, the IDL-4802 performs a cost-effective solution for network service providers to offer multiple subscribers excellent services.

Moreover, the IDL-4802 supports local and remote managed capabilities of CLI, SNMP, and Telnet via RS-232 console port and Web GUI management interface. Via user-friendly Web GUI, the IDL-4802 can be managed by workstations running standard web browsers that provide the easy-to-use operation and convenient maintenance.

To enhance the network security, the PLANET IDL-4802 also provides features such as QoS, VLAN, Multicast, Bandwidth Management, Traffic Prioritization, and Access Control List. With the advanced QoS features, the IDL-4802 is an ideal solution for next generation broadband network to deliver rich video contents, DSL, POTS, and VoIP service over ADSL2+ connection.

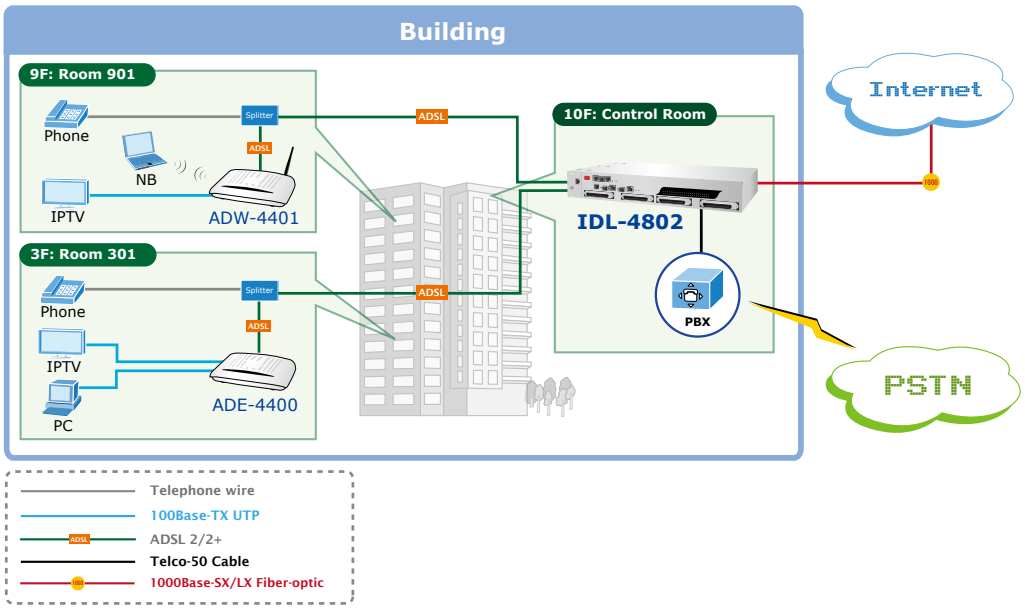
Key Features

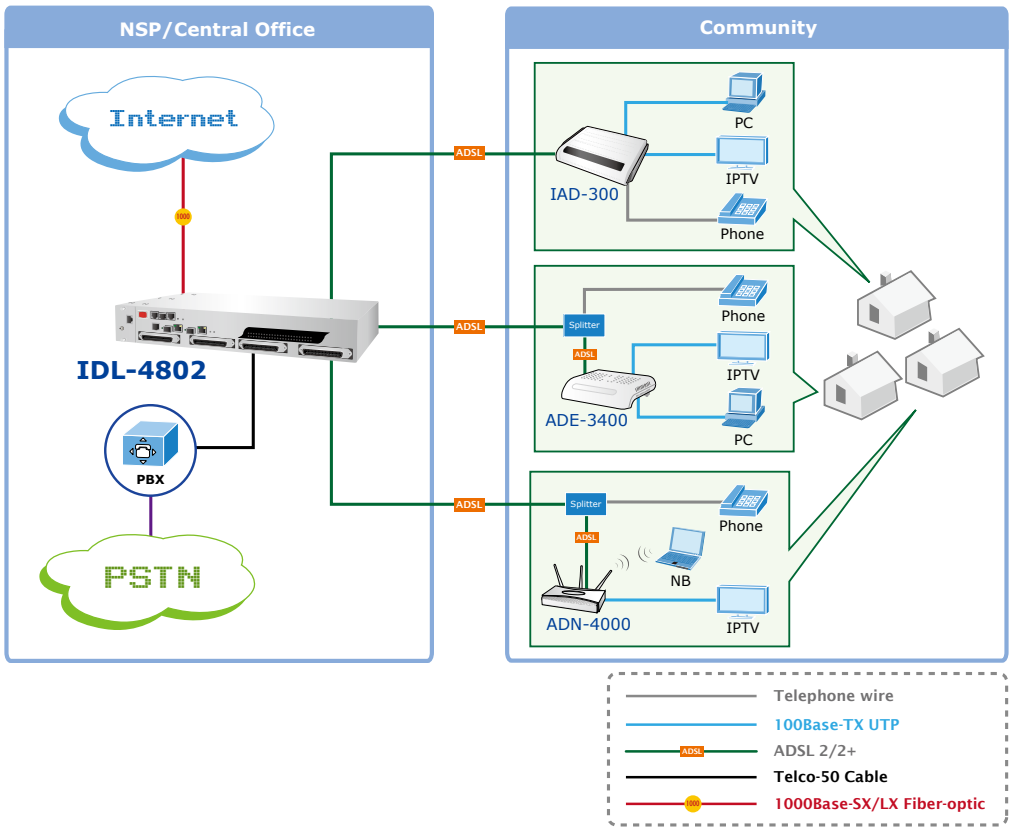
- 48-Port ADSL / ADSL2 / ADSL2+ Subscriber Interface with Built-in POTS Splitter
- DMT data rate: Downstream up to 25 Mbps / Upstream up to 3Mbps
- 2 x 1000Base-T or 2 x mini-GbE Uplink Interfaces
- Web-based GUI Management
- Local RS-232 CLI and Ethernet SNMP / Telnet / SSH Management
- Firmware Upgradeable via FTP
- Configuration Backup and Restoration via TFTP
- Supports IPSec / L2TP / PPTP VPN Pass-through
- Supports 4K MAC address
- Supports IEEE 802.1q Tag-based VLAN and Protocol-based VLAN
- Layer 2 / 3 Filtering Based on MAC, IP, Protocol, Port Number and Ether Type
- Access Control List by MAC / IP / Protocol / Port number
- Traffic prioritization (802.1p)
- Supports IGMP Snooping / Proxy per IGMP v1, v2, and v3
- FAN Alarm Indicating
- Temperature Monitoring and System Overheating Trap Functionality
- Supports IEEE 802.1d Spanning Tree Protocol and IEEE 802.3ad Link Aggregation

Applications

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

The PLANET IDL-4802 offers 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. The PLANET IP DSLAM is the perfect solution for NSP with cost-effective and high-value central management capability.





SPECIFICATION

Product		48-Port ADSL 2/2+ IP DSLAM
Model		IDL-4802 / IDL-4802-48
Hardware Specification		
Case		1.5U high box-type with a rack-mountable enclosure
Ports	Uplink	2 x RJ-45 (10/100/1000Base-T) 2 x SFP (1000Base-T/SX/LX/EX/ZX/LHX)
	MGMT	1 x RJ-45 (10/100Base-TX)
	Console	1 x RJ-45 (RS-232 serial port, 9600, 8, N, 1)
	LINE	2 x RJ-21 connectors
	PHONE	2 x RJ-21 connectors
	Fan	2 x RJ-45
	HK	1 x RJ-50
LED Indicators		1 x SYS LED 1 x ALM LED 2 x Uplink LEDs 48 x ADSL LEDs
Software Specification		
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
System		Subscriber interface with built-in POTS splitter Downstream DMT data rate up to 25 Mbps Upstream DMT data rate up to 3 Mbps (Annex M) Distance up to 18 kft 8 PVCs per xDSL port DHCP forward DHCP relay agent PPPoE relay IPSec/L2TP/PPTP VPN pass-through function PPPoA to PPPoE inter-working
Bridge Function		Supports IPv4 packet Supports IEEE802.1d Ethernet bridge function between trunk Ether port and ATM VCs Supports static source MAC table provisioning, automatic source MAC learning and block duplicate ones Supports 4K static MAC address table 128 MAC address per x DSL port Supports IEEE802.1d Ethernet bridge function between trunk Ether port and ATM VCs Supports Rapid Spanning Tree Protocol (RSTP) for the trunk interfaces per IEEE 802.1w Support Link Aggregation in IEEE 802.3ad for 2 GBE links to be aggregated together as a logical link Support both LACP protocol (dynamic) for load sharing and failover in case of loss of Ethernet link
VLAN Function		IEEE 802.1q Port-based / Protocol-based VLAN 512 non-stacked VLAN-ID simultaneously ranging from 1 to 4095 VLAN stacking and VLAN cross-connect IP Spoofing prevention MAC anti-Spoofing Port isolation functionality Static VLAN group and membership provisioning
Multicast Function		IP multicast forwarding Complies with RFC2684 bridged payload encapsulation mode Up to 256 multicast groups and 512 copies simultaneously Up to 48 profile-based Multicast Access Control Limit maximum number of IGMP groups joined per bridge port IGMP snooping / proxy per IGMP v1, v2, and v3 IGMP proxy and IGMP snooping Selection

Security	Supports Layer-2 frame filtering based on MAC and Ether Type Supports Layer-3 filtering based on IP, Protocol, and Port number IEEE 802.1X authentication
QoS	Control the bandwidth occupied by broadcast, multicast, and unknown unicast (flooding) Rate-limit profile binding per bridge port Three Color Marking (TCM) policer Ethernet rate limit per bridge port ToS (type of service) / DiffServ (differentiated services) stripping and priority queuing DSCP mapping to 802.1p Selectable adopted priority queue mechanisms according to Strict Priority Queue (SPQ) and Weighted Fair Queue (WFQ) Configurable mapping function between ATM PVC and 802.1p priority queue Supports IP CoS technology
Management	Web based GUI management Local RS-232 CLI, and Ethernet SNMP / Telnet / SSH management Remote in-band SNMP / Telnet / SSH management Firmware upgradeable via FTP SNMP v1, v2c

Ordering Information

IDL-4802	48-Port ADSL 2/2+ IP DSLAM (2 x GbE Combo, 100~240V AC)
IDL-4802-48	48-Port ADSL 2/2+ IP DSLAM (2 x GbE Combo, -48V DC)

ACCESSORIES

IDL-CBL-5	IDL 5-Meter Cable
IDL-PAN-48	IDL MDF Patch Panel

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