

IPV-24S VDSL2 IP DSLAM uses the second version of the VDSL technology on FHHC, FTTB MTU for



passive or active optical infrastructure. VDSL2 is the latest and most advanced broadband technology for residential and business customers. IPV-24S IP DSLAM promises to deliver downstream up to 100Mbps and upstream up to 50Mbps traffic on short copper loops. IPV-24S is designed to support the wide deployment of triple play features and offers the user many advanced services such as voice, video, data, high definition television (HDTV). Another benefit of IPV-24S is to enable operators and carriers to upgrade their existing DSL infrastructure at their own pace and within reasonable cost.

### Features

- \* VDSL Interface
  - 24-ports VDSL2
  - Standard Compliant xDSL solution:
    - ITU-T G.992.1 (G.DMT), G.DMT.bis
    - ITU-T G.992.2 (G.lite)
    - ITU-T G.994.1 (Handshake) for DSL
    - ITU-T G.992.3 (ADSL2), ITU-T G.992.5 (ADSL2+)
    - ITU-T G.993.1 (VDSL), ITU-T G.993.2 (VDSL2)
    - ANSI T1.413 issue 2
- \* ITU-T G.993.2 (VDSL2) supports VDSL2 Profiles 8a/b/c/d, 12a/b, 17a and ADSL convergence on a per-port basis
- \* Provides rates up to 100 Mbps in the downstream direction and 50 Mbps upstream (100/50)
- \* One RJ-21 connector to CPE
  - Power back-off algorithm
  - Ethernet over VDSL
  - Support resynchronization
  - Support RFI configuration
  - Support VDSL profile setup
  - Supported virtual noise to improve stability
  - Support up to 2-pair bonding to increase line rate.
  - POTS Interface (optional)
  - Built-in or without POTS/ISDN splitter
  - 24-port POTS with RJ-21 connector to PBX or CO
  - Uplink/Cascade Interface
  - Two Combo for Gigabit SFP or 100/1000Base-T
  - One optional ONU shared one Giga interface

## Specifications:

System Features		Protocols Support	
λ	DSL Ports	λ	IGMPv1, v2, v3 snooping and proxy
	1. 24 ports VDSLII subscriber interface with built-in POTS Splitter	λ	PPPoE Intermediate Agent
	2. Centronic 50 pin connector for Telco line in and out	λ	DHCP L2 Relay – TR101 Appendix B
λ	ADSL2+ backward compatible	λ	IEEE 802.1x
	1. RFC 1483/2684 multi-protocol encapsulation over ATM AAL5	λ	STP(802.1D) / RSTP (802.1W)
λ	Bridging Port	λ	SNTP Client
	1. Tagged/Untagged/All Frame Filter	λ	SysLog Client
	2. VLAN Ingress Filter	<b>Uplink ports</b>	
	3. Static and Port-based VLAN	λ	Electrical Giga Ethernet Ports (ETH1 and ETH2) RJ45
	4. S-tag/C-tag Priority Mapping	λ	Optical Giga Ethernet Ports (ETH1 and ETH2) SFP Cage
	5. Transparent Lan Service (TLS) support	λ	ONU Interface
	6. DHCP 082	λ	Link Aggregation (IEEE 802.3ad)
λ	802.1q VLAN	<b>Management</b>	
	1. Single or Double tag support	λ	Java-based GUI EMS
	2. N:1 /1:1 VLAN	λ	Local RS-232 CLI and Ethernet Web/SNMP/TELNET management
λ	Forwarding Data Base	λ	Remote in-band Web/SNMP/TELNET management
	1. 16K entries of MAC address	λ	Firmware upgradeable via HTTP, and FTP
	2. Dynamic/Static FDB	λ	Support SNMP v1, v2.
	3. Forwarding N:1/1:1 VLAN	λ	Alarm Relay for 2 input, 2 output
λ	Multicast	<b>Operating Requirements</b>	
	1. Up to 256 multicast addresses	λ	Operating Temperature: -40° to 65 °C
	2. IGMP v1, v2, v3	λ	Storage Temperature: -40c° to 80 °C
	3. IGMP proxy	λ	Operating Humidity: 5% to 90% RH non-condensing
	4. Multicast VLAN mapping	<b>Dimension and Weight</b>	
	✓ Independent VLAN multicast (IVM).	λ	Dimension: 280mm(D)x440mm(W)x44mm(H)
λ	Policer	λ	Weight: 5.4kg
	1. Broadcast/Unknown rate limit	<b>Power Source</b>	
	2. 802.1P Priority rate limit	λ	AC power model: 90VAC ~ 240 VAC, 50-60 Hz
λ	Access Control List	λ	DC power model: -42VDC ~ -56 VDC
	1. Filter on source MAC/IP	λ	Power Consumption: 75 watts
λ	Inter-working	<b>Certifications</b>	
	1. IPoA to IPoE Tunneling	λ	EMC
	2. PPPoA to PPPoE inter-working		1. FCC Part 15 Class A
λ	Packet size 64 byte to 1522 byte		2. CE-EMC Class A
		λ	Safety
			1. EN60950-1
			2. ITU-T K.20



### Manufactory

#### **iTAS Technology Corporation**

No. 75, Shui Yuan St., Hsinchu City 30069, Taiwan  
Tel: +886-3-5716099 Fax: +886-3-5715559 URL: www.iTAS.com.tw

### General Agency

#### **WINDFLY Technology Co., Ltd.**

3F., No.245, Dong Sec. 1, Guangming 6th Rd., Jhubei City, Hsinchu County 30264, Taiwan.  
TEL: 886-3-6586060 FAX: 886-3-6586069 URL: www.windfly.net

- \* 原正華通訊團隊開發產品, 高可靠度與穩定度。
- \* 1U高度可上機架 24埠 VDSL2 IPDSLAM。
- \* 用料紮實, 品質可靠, 十分適用於電信業者環境。
- \* 內建 UPLINK介面為 Ethernet Gigabit \*2 (可擴充SFP\*2), 前面板有連線指示燈號
- \* 內建POTS splitter(選購品) AMP 50PIN連接線材(選購品)
- \* AC 100-240全域電壓, 台灣製造/外銷機種
- \* 向下相容支援ADSL2+ Modem, 可配合本公司FLY21R1 ADSL2+ MODEM 達 24M/3.5M。
- \* 提供WEB網管介面 · 操作簡單設定方便。