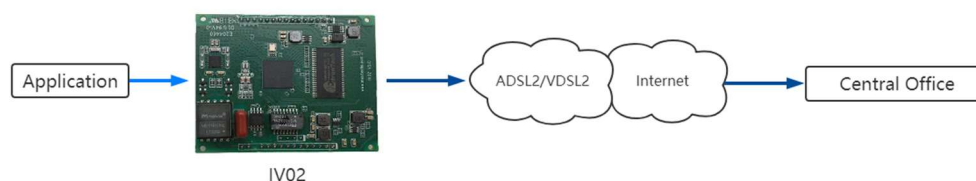


IV02 VDSL2 module, High Performance Ethernet over VDSL Solution, Implementing with Existing Telephone Copper Wires

IV02 is an Ethernet-over-VDSL2 media converter with high performance. It is designed based on two core networking technology, Ethernet and VDSL2 (Very-high-data-rate Digital Subscriber Line 2). The VDSL2 technology offers the absolutely fastest data transmission speeds over existing copper telephone lines without the need of rewiring. IV02 supports ultra-high performance to the pervasive telephone line network with up to 100/55Mbps asymmetric data rate within 200m and 25/4Mbps for 1.6km long range connections.

Applications

- Cost-effective VDSL2 CO / CPE bridge solution
- One box design, CO / CPE selectable via DIP Switch
- Defines asymmetric (Plan 998) and symmetric (Plan 997) band plans for the transmission of upstream and downstream signals
- Complies with IEEE 802.3, IEEE 802.3u and IEEE 802.3x standards
- DMT (Discrete Multi-Tone) line coding
- Half duplex Back pressure and IEEE 802.3x Full Duplex Pause frame flow control
- Built-in POTS splitter to share voice and data
- Two RJ-11 connectors for each VDSL port, one for VDSL connection and one for POTS connection
- Voice and data communication can be shared simultaneously based on the existing telephone wire
- Supports up to 1536 bytes packet size, IEEE 802.1Q VLAN tag transparent
- VDSL2 stand-alone transceiver for simple bridge modem application
- Advantage of minimum installation time (Simply as Plug-and-Play)
- Selectable target band plan and target SNR margin
- Supports extensive LED indicators for network diagnostics
- Co-work with PLANET MC family Media Chassis (MC-700 / MC-1500/ MC-1500R / MC-1500R48)
- Compact in size, easy installation



Item		IV02
VDSL2 profile	8a, 8b, 8c, 8d, 12a, 12b	Yes
	17a	Yes
	30a	No
	35B	No
	G.Fast(106MHz)	No
Annex B/J		Yes
G.Vector		Yes
G.INP		Yes
G.Bonding		No
LAN		2 * 100M Ethernet
Power consumer		2.5w (max)

Ports and Connectors

DSL	1 RJ11(Tip, Ring)
Serial Ports	RS232 interface (CLI Interface, TTL level);
LAN	2 RJ45R Ethernet,10/100Mbps,MDI/MDI-X, Autonegotitation
Power Supply	DC 5V input, max 2.5W

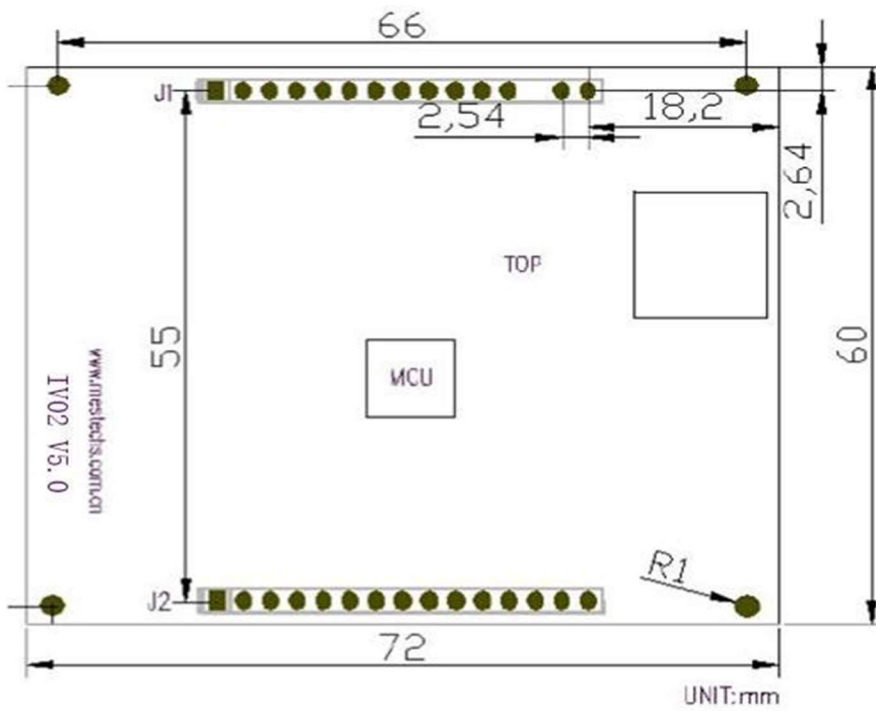
Mechanical Data

Size	72x60x14 mm
Weight	120g
Environmental Conditions	-20 to 70 °C(Operation) 5 to 95%(not condensing)

Configuration and Management

Configuration	Web-based(HTTP) CLI(Command Line Interface) Telnet
Indicators	3LEDS

Mechanical Structure





Order Information

Product Description
Industrial VDSL2/ADSL2 Module

Order Code
IV02-A(ANNEXA) IV02-B(ANNEXB)