

IRIS 440

22.8 Mbps SHDSL



Iris 440 is a high-speed shdsl modem with Ethernet ports. The maximum speed using 4-pair copper is 22.8 Mbps full-duplex (up- and download).

The device has 4 port 10/100M Ethernet switch and versatile management, control and configuration features. Application areas include WAN/LAN/VLAN access networks and VoIP due to its low latencies and traffic prioritizing. Iris 440 can be configured as CO (Central Office) or RT (Remote Terminal) device enabling point-to-point connections.

The desktop Iris 440 modem uses internal 230 VAC or 48 VDC power supply and metallic case for professional grade operational environments.

TECHNICAL SPECIFICATIONS

Main Features

- High-speed 22.8 Mbps point-to-point shdsl modem using 4-copper pairs
- 4-port 10/100M Ethernet switch
- VLAN (Virtual LAN) IEEE802.1Q bridging including double-tagging (Q-in-Q)
- QoS
- Automatic or manual Ethernet mode
- CLI management over SSH, WEB User Interface
- SW/FW remote upgrades
- SNMP

Application Areas

- Broadband symmetrical copper internet connections
- High-speed point-to-point access networks, last mile access
- High-speed copper access
- WAN, LAN, VLAN -networks
- IP Video surveillance networks
- VoIP applications

Data Speed

- Max. 22.8 Mbps, selectable between 1536 kbps and 22 784 kbps using 256 kbps steps

SHDSL Linecode

- TC-PAM (Trellis Coded Pulse Amplitude Modulation) G.991.2

SHDSL Operation Distance (subject to line conditions)

- 9.5 km @ 2.3 Mbps • 6.5 km @ 5.7 Mbps
- 5.0 km @ 11.4 Mbps • 3.0 km @ 22.8 Mbps

QoS

- Data traffic prioritizing based VLAN (IEEE 802.1Q) or IPv4 TOS precedence

Ethernet

- 4-port 10/100M Ethernet switch, Half/Full duplex, MDI/MDI-X
- Port based priority VLAN tagging, IEEE802.1Q tag, VLAN ID double tag, VLAN group based MAC address tables

Management

- CLI (Command Line Interface) over SSH, serial port, Web UI
- Management, monitoring, configuration including SW/FW remote upgrade, SNMP

Physical Connectors

- SHDSL: 2 x RJ45
- Ethernet: 4 x RJ-45
- RS232-management: RJ-4/4

Dimensions

- 251 mm x 228 mm x 51 mm

Power Supply (Internal)

- 110-240 VAC 50-60Hz or 48 VDC (36-72 VDC)
- Power consumption typically < 20W

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