



IRIS 10

5.7/4.6/2.3 Mbps SHDSL

Iris 10 series of devices are fast shdsl modems with Ethernet data port. They can be used as customer premises equipments or as central devices in point-to-point connections. The devices have advanced management and monitoring capabilities. The data traffic can be prioritized enabling delay sensitive and guaranteed bandwidth protocols and applications. Iris 10 also supports VLANs (IEEE802.1Q) and double tagging.

Iris 10 uses single pair of copper and there are devices available for three different speed grades: 5.7 Mbps, 4.6 Mbps and 2.3 Mbps. Iris modems have low data latencies, long operation distances and they are extremely reliable.

Main features

- Fast Point-to-Point connections using one pair
- Supports VLAN (Virtual LAN) bridging, maximum frame size 1535 bytes
- Self learning 1024/2048/4096 address MAC table
- Dataflow classification and prioritization based on VLAN (802.1Q) or IP/TOS precedence
- Automatic Ethernet configuration
- 10Base-T / 100Base-TX
- Half duplex / Full duplex
- MDI / MDI-X
- Easy management and configuration via console port or over network using the ComNetManage PC software

Applications

- Broadband internet connections
- Fast point-to-point connection
- High speed copper access network
- LAN to LAN
- VLAN to VLAN
- Video and security control connections (IP)
- VoIP

TECHNICAL SPECIFICATION

Datarate

- 5.7 Mbps (Iris 10++) / 4.6 Mbps (Iris 10+) / 2.3 Mbps (Iris 10)

SHDSL Linecode

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

SHDSL Distance (subject to line conditions)

- 9.5 km @ 1024 kbps
- 6.5 km @ 2.3 Mbps
- 3.0 km @ 4.6 Mbps
- 3.0 km @ 5.7 Mbps

QoS

- VLAN (802.1Q) or IP/TOS precedence

Ethernet Modes

- 10/100M, Half/Full duplex, MDI/MDI-X

MAC

- 1024/2048/4096 MAC, aging 1-10 min

Connectors

- SHDSL: D9-F
- Ethernet: RJ-45
- RS232 control RJ-4/4

Dimensions

- 250mm x 220mm x 40mm

Power Supply

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

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