



IRIS 20

11.4/9.2/4.6 Mbps SHDSL

Iris 20 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 20 also supports VLANs (IEEE802.1Q) and double tagging.

Iris 20 uses two pairs of copper and there are devices available for three different speed grades: 11.4 Mbps, 9.2 Mbps and 4.6 Mbps. Iris modems have low data latencies, long operation distances and they are extremely reliable.

Main features

- Fast Point-to-Point connections using two pairs
- Supports VLAN (Virtual LAN) bridging, maximum frame size 1535 bytes
- Self learning of 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 connections
- High speed copper access network
- LAN to LAN
- VLAN to VLAN
- Video, security control and connections (IP)
- VoIP
- 3G HSDA radio base station backhaul connections

TECHNICAL SPECIFICATION

Datarate

- 11.4 Mbps (Iris 20++) / 9.2 Mbps (Iris 20+) / 4.6 Mbps (Iris 20)

SHDSL Linecode

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

SHDSL Operation Distance (subject to line conditions)

- 9.5 km @ 1024 kbps
- 6.5 km @ 4.6 Mbps
- 3.0 km @ 9.2 Mbps
- 3.0 km @ 11.4 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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