



IRIS 440 HS series

44 Mbps SHDSL - 4 pairs

22 Mbps SHDSL - 2 pairs

11 Mbps SHDSL - 1 pair

Iris 440 HS series devices are high-speed shdsl modems with Ethernet interfaces. The maximum speeds using 1/2/4-copper pairs are 11/22/44 Mbps full-duplex (up- and downstream).

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 HS can be configured as CO (Central Office) or RT (Remote Terminal) device enabling point-to-point connections.

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

Main Features

- High-speed 11/22/44 Mbps point-to-point shdsl modem using 1/2/4-copper pairs
- 4-port 10/100M Ethernet switch
- VLAN (Virtual LAN) IEEE802.1Q bridging including double-tagging (Q-in-Q)
- QoS
- 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
- Triple play applications - VoIP, IPTV, video, data
- 3G HSDA radio base station backhaul connections

Available Product Variants

- Iris 440 HS 101 1-copper pair, max 11 Mbps
- Iris 440 HS 202 2-copper pairs, max 22 Mbps
- Iris 440 HS 404 4-copper pairs, max 44 Mbps
- Iris 440 HS 000 4-copper pairs, max 22.8 Mbps
- Configurable with SW license

TECHNICAL SPECIFICATIONS

Typical SHDSL Operation Distance (subject to line conditions)

	5 Mbps	10 Mbps	20 Mbps	40 Mbps
• Iris 440 HS 101	4,5 km	2,0 km	N/A	N/A
• Iris 440 HS 202	6,3 km	4,5 km	2,0 km	N/A
• iris 440 HS 404	7,5 km	6,3 km	4,5 km	2,0 km

SHDSL Linecode

- Iris 440 HS 000 TC-PAM 16/32
- Iris 440 HS 101, 202, 404 TC-PAM 16/32/64

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
- Max MTU 2048 bytes

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

- 251mm x 228mm x 51mm

Power Supply (Internal)

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

Manufacturer, Sales, Technical Support: Design Combus Ltd. | Rantatie 27, FIN-33250 Tampere
Tel: +358-3-345 8800 | Fax: +358-3-345 8850 | info@dcombus.com | www.dcombus.com