

## DCombus Products

DCombus Iris SHDSL products are known of their reliability and quality based on company's innovative R&D, design and several years of experience on high speed copper communication solutions.

With Design Combust Oy xDSL products and solutions you can the best out of the access networks with high reliability and cost efficiently.

### PRODUCTS

#### Iris 440 - 22.8 Mbps

Iris 440 is a high-speed shdsl modem with 4-port Ethernet switch. The maximum speed using ..

[Read more](#)

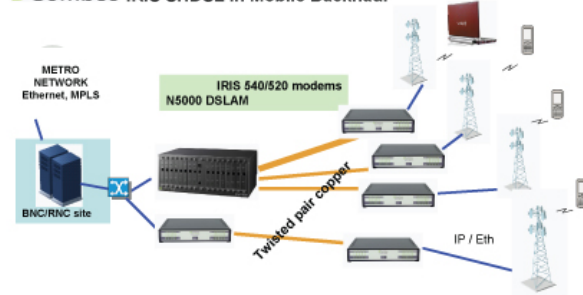
#### Iris 540



#### Iris 540 - SHDSL EFM modem for 1-4 copper pairs

Iris 540 is high speed G.shdsl modem utilizing 1-4 copper pairs. It uses normal twisted pair copper cables delivering Ethernet networks and services over several kilometers. The modem offers symmetrical bandwidth, max 5.7 Mbps (11 Mbps with tc-pam64, 15 Mbps with tc-pam128) using single copper pair, 11.4 Mbps (22 Mbps, 30 Mbps) using two copper pairs and 22.8 Mbps (44 Mbps, 60 Mbps) using four copper pairs. Iris 540 is available with variety of options and features.

#### DCombus IRIS SHDSL in Mobile Backhaul



#### Main properties

- Max 11.4/11.4 Mbps (or 30/30 Mbps) with two copper pairs
- Max 22.8/22.8 Mbps (or 60/60 Mbps) with four copper pairs
- EFM bonding (IEEE 802.3ah)
- 4x Eth 10/100M switch
- Manageable VLAN ja QoS for traffic bridging and prioritizing
- CLI/SSH management
- Comprehensive SNMP management
- Power over Ethernet (PoE)

#### Applications

- Symmetrical broadband access for operator managed Ethernet services
- Operator and ISP provided broadband services for SMEs, branch offices, etc.
- Mobile networks basestation IP/Ethernet backhaul
- Scalable Ethernet services
- Business critical Ethernet services
- IP camera and surveillance networks
- Campus networks for extended Ethernet/LAN application

#### Products files and links

- [Iris540 datasheet](#)
- [Request For Quotation](#)

#### Technical details

##### Dataspeed & SHDSL

- TC-PAM 16/32 (Trellis Coded Pulse Amplitude Modulation) G.991.2 ja TC-PAM 64
- Two copper pairs, max 11392 kbps (TC-PAM 16/32)
- Four copper pairs, max 22784 kbps (TC-PAM 16/32)
- Two pairs, max 30704 kbps (TC-PAM 16/32/64/128)
- Four pairs max 61408 kbps (TC-PAM 16/32/64/128)
- Optimized and automatic copper pair and bandwidth management
- IEEE 802.3ah Ethernet in the First Mile (EFM)

##### Ethernet, QoS, VLAN

- 4-port 10/100M Eth switch
- Port based VLAN prioritizing
- IEEE 802.1Q tag, doubletag, including Q-in-Q multiple stacking
- MTU 2047
- Power over Ethernet (PoE), 2-port

##### Management

- sCLI (snmp-Command Line Interface), using SSH or via serial console
- Comprehensive SNMP management

##### Interfaces and Connectors

- SHDSL port: 1x RJ45
- Ethernet/LAN: 4x RJ45
- RS232 console port: RJ45

##### Dimensions

- Metallic case, dimensions 208 x 206 x 46 mm

##### Power

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

##### Product Variants, SW Configurable with Optional, User Installable Code

- Iris540-002, 2-pairs, max 11.4/11.4 Mbps, 230 VAC
- Iris540-004, 4-pairs, max 22.8/22.8 Mbps, 230 VAC
- Iris540-202, 2-pairs, max 30/30 Mbps, 230 VAC
- Iris540-204, 4-pairs, max 60/60 Mbps, 230 VAC

##### Product Variants, Factory Installable Options

- 48 VDC internal power supply
- PoE - Power over Ethernet (2x port), includes external 48 VDC power supply adapter