

CYGNUS 1100 Series Routers

Q What is the applications of CYGNUS 1100 series Routers?

A The CYGNUS 1100 series Routers are ideal for providing Internet access to a small office or cyber cafe, for point-to-point networking between two offices, or for multipoint networking.

Q What are the various models available in this series?

A CYGNUS 1103VI has one 10/100 Base-TX LAN port , One V.35/V.24 compatible WAN port and one ISDN-S compatible WAN port.

CYGNUS 1103EV has one 10/100 Base-TX LAN port , One E1 compatible WAN port and one V.35/V.24 compatible WAN port.

CYGNUS 1103VV has one 10/100 Base-TX LAN port , Two V.35/V.24 compatible WAN ports.

CYGNUS 1104V has one 10/100 Base-TX LAN port , One V.35/V.24 compatible WAN port.

Q How do I access the supervisor in CYGNUS 1100 series Routers?

A Supervisory software can be accessed either from an asynchronous RS232 terminal connected to the dedicated console port (DB-9) on the unit, or by using TELNET, over the network.

Q What are the default User Name and Password for accessing the supervisor in a CYGNUS 1100 series Routers?

**A User name - admin
Password - admin**

Q What routing protocols are supported by CYGNUS 1100 series Routers?

A Routing protocol support includes OSPF, RIP and Static Routing.

Q What other protocols are supported by these routers?

A TCP, IP, PPP, UDP, ICMP, IGMP, ARP , DHCP, DNS, BOOTP, PAP, CHAP, RADIUS, NAT/NAPT, Telnet, FTP, PPP - Sync or Async, LCP, IPCP, BCP, HDLC, SLIP, CSLIP, etc.

Q What is the maximum speed on each WAN port?

**A V.35/V.24 interface - Up to 2 Mbps (sync), Up to 115.2 kbps (async)
E1 interface - 2 Mbps / nx64 kbps
ISDN interface - 128 kbps**

Q What are the functions of front panel indicators?

A They shows the present status of each WAN and LAN interface on the unit.

Q What indicator will glow if the router is linked up with a remote router?

A The LINK indicator for the corresponding WAN interface will glow.

Q What indicators will glow if the LAN is properly connected to the router's LAN interface?

A LINK 100 (at 100 Mbps) or LINK 10 (at 10 Mbps) indicator will glow. T/R indicator will flash when there is data traffic on the LAN interface.

Q What does a glowing CD indicator signify?

A It means that the DCD signal from the modem connected to V.35/V.24 WAN port of the router is active.

Q What does a glowing ACT indicator signify?

A On an E1 WAN port it indicates synchronization with the E1 PCM interface. On an ISDN-S WAN port it indicates synchronization with the ISDN telecom equipment.

Q How do I configure parameters for the LAN interface?

**A Navigate to:
Main Menu > System Configuration > Interface Configuration > LAN/WAN Conf > LAN1
and specify the IP Address and Net Mask**

Q How do I configure parameters for the WAN interface(s)?

**A Navigate to:
Main Menu > System Configuration > Interface Configuration > LAN/WAN Conf > WAN1 or WAN2
and specify the WAN port Type, Interface Name and State.
Under Type [<sync...>] > Protocol [<PPP...>], configure required parameters.
Under > Interface [<V.35/V.24...>], select the required interface.
Under Interface name > Type a string describing the WAN interface.
Set State to Enable or Disable to enable/disable the WAN port.**

Further, for V.35 WAN ports:

Under Interface Type [<V.35/V.24...>], configure Clock Frequency and Clock Mode.

For E1 WAN ports:

Under Interface Type [<UNCHN_E1...>] > E1 framer config., configure Framing, Frame Type, System Clock Mode and Line Impedance.

For ISDN WAN ports:

Under Interface Type [<UNCHN_ISDN...>], configure Dial Type, Dial Mode, Link Idle Time, Dial In Phone Number and Dial Out Phone Number.