

CYGNUS 1021 Terminal Server

Q What are the applications of CYGNUS 1021 Terminal Server?

A The CYGNUS 1021 allows asynchronous RS232 compatible serial terminals and printers to access host systems using TCP/IP over a 10/100 Mbps ethernet network.

Q What type of interfaces and ports does the CYGNUS 1021 provide?

A One 10/100 Base-TX ethernet interface
8 or 16 asynchronous Terminal Ports
One Parallel Port (Printer Port)

Q How many Terminal Ports are provided in the CYGNUS 1021?

A Models are available with 8 or 16 Terminal Ports (TP).

Q What communication speeds are supported by the Terminal Ports?

A Terminal Ports support speeds from 1200 to 230400 kbps.

Q How is the CYGNUS 1021 programmed (configured) for use?

A The product can be programmed via a user friendly menu based supervisory function which can be accessed either through a dedicated console port (9 -pin D-type connector) using an asynchronous RS232 terminal, or over the network using TELNET.

Q What are the functions of the front panel LED indicators?

A Indicators are provided to display the speed status and traffic activity on the LAN interface and traffic activity on each Terminal Port.

Q What are the LAN port related indicators on the CYGNUS 1021?

A The "100" indicator is ON if the LAN speed is 100 Mbps and OFF if the speed is not 100 Mbps. This indicator flickers whenever there is any data activity on the 100 Mbps LAN interface.

The "10" indicator is ON if the LAN speed is 10 Mbps and OFF if the speed is not 10 Mbps. This indicator flickers whenever there is any data activity on the 10 Mbps LAN interface.

The "FD/COL" indicator is on when the LAN interface is full duplex. It flashes whenever there is a COLLISION on a half-duplex LAN interface.

Q What are the Terminal Port and Console Port related indicators on the CYGNUS 1021?

A The "T" indicator flashes whenever data is transmitted on the port.
The "R" indicator flashes whenever data is received on the port.

Q How do I configure parameters for the LAN interface?

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

Q How do I specify the protocol on a Terminal Port and enable the Terminal Port?

A Navigate to:
Main Menu > System Configuration > Interface Configuration > Terminal Port Conf > Terminal Port X >
and select the protocol and the enable state as required.

Q How do I configure Terminal Port parameters such as speed and word length?

A Navigate to:
Main Menu > System Configuration > Interface Configuration > Terminal Port Conf > Terminal Port X > Character Format
and specify the speed (Baud Rate) and word length.

Q How do I configure the Parallel Port?

A Navigate to:
Main Menu > System Configuration > Interface Configuration > Parallel Port Conf...
Here select the protocol, printing speed and enable the port.

Q How do I configure the System Name, DNS Client and Static Host Database?

A Navigate to:
Main Menu > System Configuration > Network Configuration > DNS Configuration
and specify these parameters as required.

Q How can I view the status of the Parallel Port?

A Navigate to the following menu for this purpose:
Main Menu > System Status > Parallel Port Status

Q How can I view the status of the Terminal Port?

A Navigate to the following menu for this purpose:
Main Menu > System Status > Terminal Port Status > Terminal Port X > Terminal Port X Status

Q How can I see the Terminal Port Statistics?

A Navigate to the following menu for this purpose:
Main Menu > Statistics > Terminal Ports > Terminal Port X > General Statistics

Q How can I find out details of the sessions connected on a Terminal Port?

A Navigate to the following menu for this purpose:
Main Menu > Statistics > Terminal Ports > Terminal Port X > Sessions Connected

Q How can I reset a Terminal Port?

A Navigate to the following menu for this purpose:
Main Menu > System Configuration > System Maintenance > Reset Terminal Ports > Terminal Port X
and select "Yes" using SPACE key on your keyboard.



Q How do I configure Answer Back codes?

A Navigate to the following menu and specify the Answer Back codes:
Main Menu > System Configuration > Interface Configuration > Terminal Port Conf > Terminal Port X > Protocol [<TELNET/RLOGIN>] > Answer Back

Q How do I send a test pattern to a Terminal Port?

A Navigate to the following menu:
Main Menu > Diagnostics > Test Terminal Ports > Terminal Server Ports Testing
Select the Terminal Port to which the test pattern is to be sent, enter "number of lines", and then send the test pattern.

Q How do I send a message to a Terminal Port?

A Navigate to the following menu:
Main Menu > Diagnostics > Send Messages To Terminal Ports > Terminal Port
Select the Terminal Port to which a message has to be sent, type the message text to be sent, and send it.

Q How do I copy a Terminal Port's parameters to another terminal port?

A Navigate to:
Main Menu > System Configuration > System Maintenance > Replicate Terminal Port Settings
Select the Source Terminal Port. Specify the Destination Terminal Port (a list of ports can also be specified, with individual port numbers separated by space or comma) and then copy the parameters.

Q What is the default User Name and Password?

A User name - admin, Password - admin.