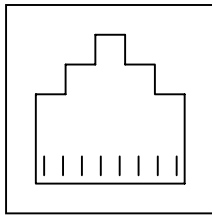


Black Box Terminal Server

Description

- Type : Terminal server 8 – LEU9008
- Port connectors : RJ45
- <http://www.blackbox.com>
- Document date : November 1999

Rack terminal server RJ45 Connector RS-232 Pinouts (DTE)



1 2 3 4 5 6 7 8

| Pin | Description | Direction |
|-----|---------------------|-----------|
| 1 | Data carrier detect | Input |
| 2 | Request to send | Output |
| 3 | Data set ready | Input |
| 4 | Transmitted data | Output |
| 5 | Received data | Input |
| 6 | Signal ground | Ref |
| 7 | Clear to send | Input |
| 8 | Data terminal ready | Output |

Connect to terminal server

- telnet ip-adress
- password : <return>
- set term ansi

Activate menu

- set menu
- press <Esc> to quit any menu, press <return> to enter a option

CONNECTIONS MENU

REMOTE-ADMIN

| Connection | Host |
|------------|--------------|
| 1 | *** FREE *** |
| 2 | *** FREE *** |
| 3 | *** FREE *** |
| 4 | *** FREE *** |

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Select Admin mode

- connection 1 : <return>

CONNECTIONS MENU

REMOTE-ADMIN

| Connection | Host |
|------------|-------------|
| 1 | *** FREE ** |
| 2 | *** FREE ** |
| 3 | *** FREE ** |
| 4 | *** FREE ** |

=== Commands ===
Admin mode ^A
CLI
Lock
Logout ^D
=====

This option allows you to configure parameters affecting the Server box, eg hosts table, other terminals.

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Set Password

- Choose option password. Default password : *iolan*

ADMINISTRATION MENU

REMOTE-ADMIN

```
gateway      Examine/modify gateway table.
host         Examine/modify host table.
line         Terminal configuration organised by line.
[ password   Specify password to allow modification of menu items. ]
port         Terminal configuration organised by port.
quit         Return to connections menu.
server       Examine/modify Server parameters.
stats        Examine Server statistics.
```

Password []

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Config server

- Select server

** Administrator **

ADMINISTRATION MENU

REMOTE-ADMIN

```
access       Remote System Access (PPP).
change       Change login and/or admin password.
gateway      Examine/modify gateway table.
host         Examine/modify host table.
kill         Kill TCP connections on serial line.
line         Terminal configuration organised by line.
port         Terminal configuration organised by port.
quit         Return to connections menu.
reboot       Reboot Server.
[ server     Examine/modify Server parameters. ]
stats        Examine Server statistics.
trap         Examine/modify SNMP Trap parameters.
```

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- An example of server settings on unix OS :

```

** Administrator **                SERVER CONFIGURATION                REMOTE-ADMIN

Name                               [enetlabtsv2]                Debug mode      [0      ]
IP address                         [10.21.0.21      ]
Subnet mask                        [255.255.0.0     ]
Ethernet address [00:80:d4:04:33:81]    Ethernet interface [AUTO    ]
Language                           [English  ]
Identification                     [                ]
Lock                               [Disabled]
Password limit                     [5      ]
CR to initiate                     [Yes ]
SNAP encoding                      [Disabled]
Boot host                          [                ] Boot diagnostics [Enabled ]
Boot file                          [                ]
Init file                         [                ]
MOTD file                         [                ]
Domain name                       [ce.healthnet.lu ]
Name server                       [171.20.1.1      ] NS Port      [53      ]
WINS server                       [                ]

You must reboot the Server if you change the IP address.
IP addresses should be unique network-wide.

```

```

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```

Select your port

- On Administrator menu, select port and enter port number (1-8)

```

** Administrator **                ADMINISTRATION MENU                REMOTE-ADMIN

access      Remote System Access (PPP).
change      Change login and/or admin password.
gateway     Examine/modify gateway table.
host        Examine/modify host table.
kill        Kill TCP connections on serial line.
line        Terminal configuration organised by line.
[ port      Terminal configuration organised by port. ]
quit        Return to connections menu.
reboot      Reboot Server.
server      Examine/modify Server parameters.
stats       Examine Server statistics.
trap        Examine/modify SNMP Trap parameters.

Port                [      ]

```

```

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```

Setup port specifications

- Speed
- Parity
- Bit
- Stop
- Flow ctrl
- Terminal type
- Access : Remote
- Mode : Raw
- Local port : port number used to connect from host on this line

```
** Administrator **
PORT SETUP MENU
Hardware
Speed      [9600 ]
Parity     [None]
Bit        [8]
Stop       [1 ]
Break      [Disabled]
Monitor DSR [No ]
Monitor DCD [No ]

Flow ctrl
Flow ctrl  [XON/XOFF]
Input Flow [Enabled ]
Output Flow [Enabled ]

IP Addresses
Src [ ]
Dst [ ]

Keys
Hot  [^]
Quit [^@]
Del  [^@]
Echo [^@]

REMOTE-ADMIN
Intr [^C]
Kill [^U]
Sess [^@]

Mask [ ]

User
Name [ ]
Terminal type [vt100 ]
TERM [ ]
Video pages [0]
CLI/Menu [CLI ]
Reset Term [No ]

Options
Keepalive [No ]
Rlogin/Telnet [Telnet]
Debug options [No ]
Map CR to CR LF [No ]
Hex data [No ]
Secure [No ]
MOTD [No ]

Access
Access [Remote ]
Authentication [None ]
Mode [Raw ]
Connection [None ]
Host [ ]
Remote Port [0 ]
Local Port [10001]
```

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Exit the terminal server

- Press <Esc> until you reach the Connections Menu
- Choose Logout

CONNECTIONS MENU

REMOTE-ADMIN

| Connection | Host |
|------------|-------------|
| 1 | *** FREE ** |
| 2 | *** FREE ** |
| 3 | *** FREE ** |
| 4 | *** FREE ** |

=== Commands ===
Admin mode ^A
CLI
Lock
Logout ^D
=====

Log out the terminal and close all sessions.

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Useful options

- Select line from the administration menu to set port specifications for several ports at once

** Administrator **

ADMINISTRATION MENU

REMOTE-ADMIN

| | |
|---------|--|
| access | Remote System Access (PPP). |
| change | Change login and/or admin password. |
| gateway | Examine/modify gateway table. |
| host | Examine/modify host table. |
| kill | === Lines ===connections on serial line. |
| [line | Access configuration organised by line.] |
| port | Flow ctrl configuration organised by port. |
| quit | Hardware connections menu. |
| reboot | Network rver. |
| server | Options odify Server parameters. |
| stats | Terminal erver statistics. |
| trap | =====odify SNMP Trap parameters. |

Sets the line access type - may be for local keyboard use, remote network
access(remote or listen), both (dynamic), slip or disabled (none).
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