Access Switch

AS-04, AS-08 and AS-16 Enclosure

APS-01 Power Control Accessory for Access Switch

FEATURES

- 4 to 152 RS232 serial ports
- Up to 19.2 Kbps port speeds
- 2 Control input ports on AS-04/08/16/24/32
- 6 Control input ports on AS-24M (Master)
- Control port option for Modem and/or Telnet/Ethernet
- Non-cryptic English prompts, user definable
- Select port by name or port number
- Connect to any async RS232 device control port
- APS-01 power control accessory is available
- Industrial temp operation, -40° to +75° C
- Password protected
- 120, 220 VAC, 12, 24, 48 and 125 VDC options

DCB ACCESS SWITCH AND OTHER EQUIPMENT
The DCB Access Switch enables remote management of any RS232 controlled device. When using in-band network management (with or without SNMP), you can't get into the remote equipment to manage it at the most critical time, when the network is down. By using an Access Switch and a dial-in modem or a telnet connection to the Access Switch, you are assured of a direct route to all remote equipment. You can troubleshoot and reconfigure as needed.

DESCRIPTION

The DCB Access Switch is an ASCII character controlled switch used to connect one to six RS-232 async control devices 4 or more, (up to 152) async ports. Connection is made by entering the port number or port name. Disconnection is via entering a control code or lowering an RS-232 control lead. Either the port being controlled or the originating control port can lower a control lead to force a disconnect.

The DCB Access Switch can be used to access any async device, up to 19.2 Kbps, from a terminal or PC, locally, via dial up or over a network. The standard Access Switch has RS232 serial ports. A dial-up modem and/or Ethernet module are available as options. The Access Switch is especially suited for accessing DCB modems, DSUs, multiplexers and hubs locally or via modems or telnet from a remote location.

The Access Switch is available in 4, 8, 16, 24, 32 ports and the expandable AS-24M version. Units with 32 or less output ports have two input (controlling) ports; larger ones have 6. The AS-24M is a 24 channel master unit with six input ports and 24 output ports. The AS-24M can be expanded by attaching up to four AS-32S slave units. The AS-32S increases the Access Switch to 56 ports, 88 ports, 120 ports or 152 ports.

The Access Switch has a minimum of two input ports allowing both local control and remote dial-in access. All input ports can be active at the same time. The user accessing the switch always gets positive feedback. Before connect and after disconnect, the Access Switch gives the user an "Access >>" prompt. Port switching requires no cryptic code entry. Ports can be accessed by name or by port number.

If the devices being accessed can be forced to lower an RS-232 control lead on command, as is the case with DCB modems, DSUs, multiplexers and frads, disconnection can be via hardware disconnect. This makes the switch 100% data transparent, suitable for use between devices transferring binary data. Data transparency also insures that no control codes inadvertently cause disconnection.
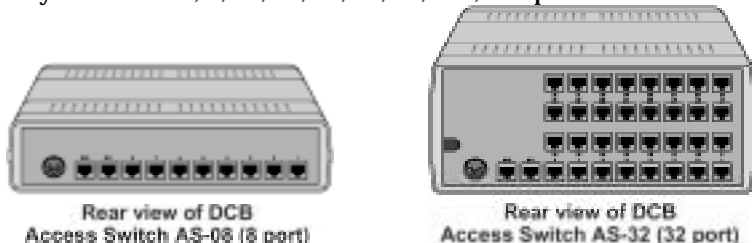
SPECIFICATIONS

General

AS-04 4-port model   AS-24 24-port model
AS-08 8-port model   AS-32 32-port model
AS-16 16-port model   AS-24M 24-port model
AS-32S 32-port slave for AS-24M (master)
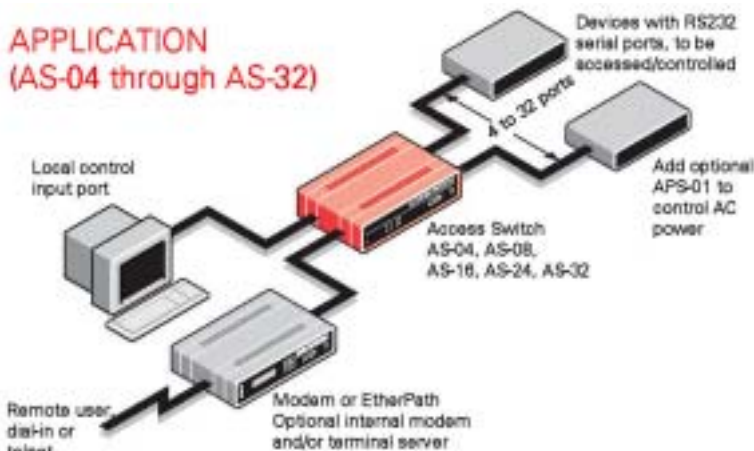
Input Control Ports

AS-04, 08, 16, 24, 32 – 2 ports
AS-24M – 6 ports
Option for 1 control port with Modem for dial in and/or
  single port Terminal Server for telnet connection
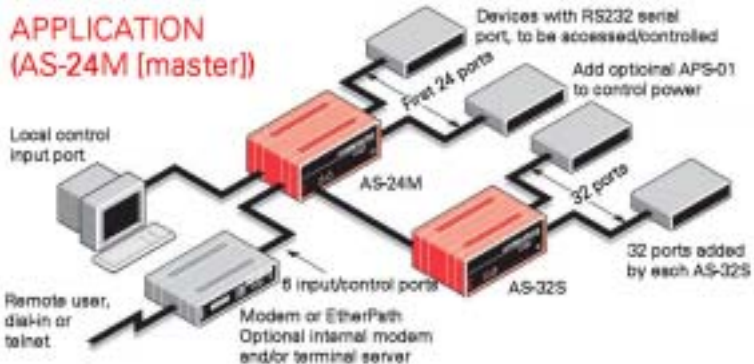
Output (Controlled) Ports

AS-04 4-ports   AS-24 24-ports
AS-08 8-ports   AS-32 32-ports
AS-16 16-ports   AS-24M 24-ports
AS-32S 32-port expansion for AS-24M
System sizes: 4, 8, 16, 24, 32, 56, 88, 120, 152 ports

Rear view of DCB
Access Switch AS-08 (8 port)

Rear view of DCB
Access Switch AS-32 (32 port)

**APPLICATION
(AS-04 through AS-32)**

Local control input port

Devices with RS232 serial ports, to be accessed/controlled

Add optional APS-01 to control AC power

Access Switch AS-04, AS-08, AS-16, AS-24, AS-32

4 to 32 ports

Remote user, dial-in or telnet

Modem or EtherPath
Optional internal modem and/or terminal server

**APPLICATION
(AS-24M [master])**

Local control input port

Devices with RS232 serial port, to be accessed/controlled

Add optional APS-01 to control power

Port 24 ports

AS-24M

32 ports

32 ports added by each AS-32S

AS-32S

6 input/control ports

Remote user, dial-in or telnet

Modem or EtherPath
Optional internal modem and/or terminal server

Port Specifications

Data Format: 1 start, 8 data, 1 stop bit

Indicators

Power
AS-24M "Master" LED
AS-32S "Slave" LED, port range

Operational Commands

Help Screen	Disconnect	Connect
Show Port ID	Enter Setup	Set Parity
Port On (power)	Port Off (power)	Port Cycle (power)

Configuration Commands

Set Password	Show Status
Set Port ID	Show Port IDs
Set Rate	Show Connections
Set Disconnect String	Help Screen
Set Prompt	Reset, Keep Memory
Reset, Clear Memory	Bye (Exit Setup)

Options

Internal modem
Internal 1-port terminal server for telnet access

Physical/Electrical/Environmental

Power requirements: AS-04 120 or 220 VAC
wall transformer,
AS-08, 16, 24, 32, 24M 100-250 VAC, 50-60 Hz
AS-04, 08, 16 - 10 ¼" x 9 ¾" x 2 ¼"
AS-24, AS-24M, AS-32 – 10 ¼" x 9 ¾" x 4 ½"
Optional 12, 24, 48 or 125 VDC power
Optional rack mount assembly
Operational Temperature: -40° to +75° C
Storage Temperature: -50° to +75° C
Humidity: <95% Non-condensing