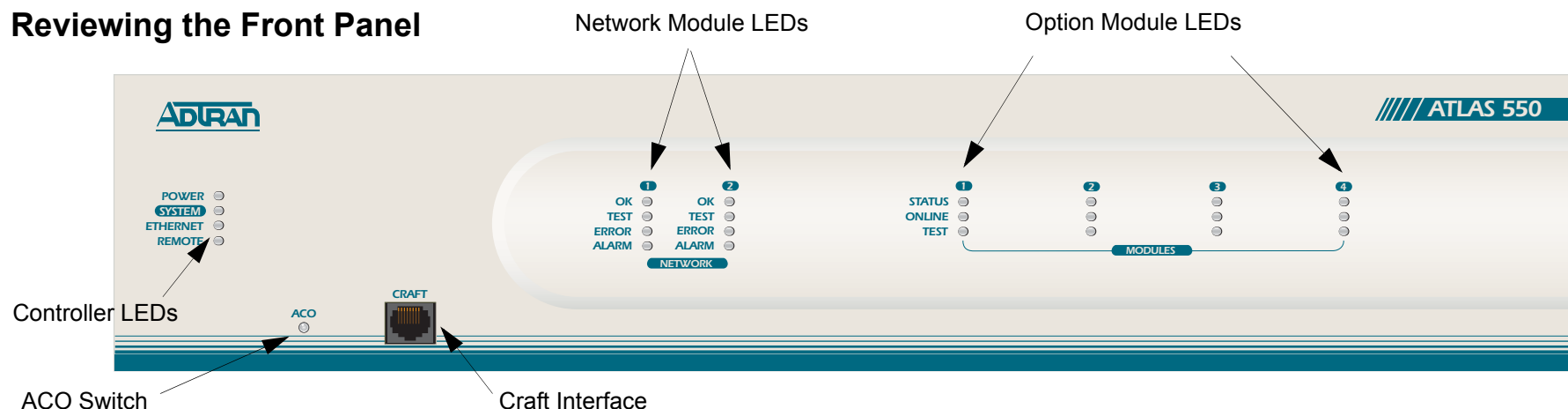


Reviewing the Front Panel



Connecting to the ATLAS 550

Connecting a VT100 terminal (or VT100 terminal emulator) to the **CRAFT** interface (on the front panel of the unit) or the **CONTROL IN** interface (on the rear panel of the unit) allows access to the terminal menus and management features of the ATLAS 550.

Perform Steps Below in the Order Listed:

1. Configure a VT100 terminal (or terminal emulation software) with the following settings:

Data Rate: 9600 baud Stop Bits: 1
Data Bits: 8 Flow Control: None
Parity Bits: None

If the terminal has a parallel setting, disable it and use serial.

2. Connect one end of the 6" data cable (supplied) into the ATLAS 550 **CRAFT** or **CONTROL IN** port. (This connection is RJ-45.) Make the connection to the VT100 terminal as appropriate for your connection. ADTRAN supplies an RJ-45 to DB-9 adapter for connections to standard DB-9 Communications (COM) ports.
3. Initiate a terminal session and the **LOGIN** screen displays. The default password is **password**. (Passwords in the ATLAS 550 are case sensitive.)

Craft Pinout

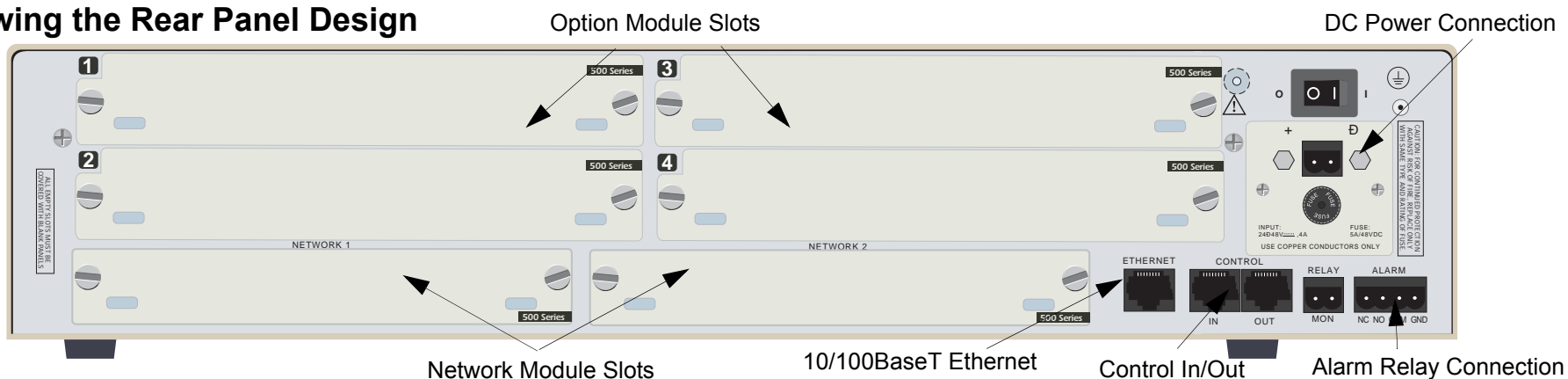
PIN	NAME	DESCRIPTION
1	GND	Ground - connected to unit chassis
2	RTS	Request to send - flow control
3	RXDATA	Data received by the ATLAS 550
4	DTR	Data terminal ready
5	TXDATA	Data transmitted by the ATLAS 550
6	CD	Carrier detect
7	UNUSED	—
8	CTS	Clear to send - flow control

System Status LEDs

The System Status LEDs display the status of the power supply, controller, and other system parameters for the ATLAS 550. For a more detailed discussion of the front panel LEDs, refer to Section 2, Engineering Guidelines, of the ATLAS 550 System Manual.

LED	Description
Power	Indicates the status of the power supply
System	Indicates the status of the unit controller and other system parameters.
Ethernet	Indicates the status of the ethernet port.
Remote	Indicates whether a user (Telnet or VT100) is logged in to the unit.

Reviewing the Rear Panel Design



Control In

PIN	NAME	DESCRIPTION
1	GND	Ground - connected to unit chassis
2	RTS	Request to send - flow control
3	RXDATA	Data received by the ATLAS 550
4	DTR	Data terminal ready
5	TXDATA	Data transmitted by the ATLAS 550
6	CD	Carrier detect
7	UNUSED	—
8	CTS	Clear to send - flow control

10/100BaseT Ethernet Pinout

PIN	NAME	DESCRIPTION
1	TX1	Transmit Positive
2	TX2	Transmit Negative
3	RX1	Receive Positive
4, 5, 7, 8	—	Unused
6	RX2	Receive Negative

DC Power Supply Connection

PIN	NAME	+24 VDC Source	-48 VDC Source
1	+	+24 VDC	Ground (GND)
2	-	Ground (GND)	-48VDC

Alarm Relay Connection Pinout

PIN	NAME	DESCRIPTION
1	Normally Closed (NC)	Opens when a selected alarm condition is present.
2	Normally Open (NO)	Closes when a selected alarm condition is present.
3	Common (COM)	Common connection between external circuitry and NC or NO terminal.
4	Chassis Ground (GND)	

Connecting Power to the ATLAS 550

The DC powered ATLAS 550 comes equipped with a DC power supply to furnish voltages for proper backplane operation. Please refer to Section 3, *Network Turnup Procedures*, of the ATLAS 550 System Manual for more detailed instructions.



- Power to the ATLAS 550 DC System must be from a reliably grounded +24 or -48 VDC source which is electrically isolated from the DC source.
- This unit shall be installed in accordance with Article 400 and 364.8 of the NEC NFPA 70.
- The branch circuit overcurrent protection shall be a fuse or circuit breaker rated minimum 60 VDC, maximum 10A.
- A readily accessible disconnect device, that is suitably approved and rated, shall be incorporated in the field wiring.
- Maximum recommended ambient operating temperature is 45°C