

Ethernet/RS-232 Interface

Microprocessor Controlled Interface for the XFR Series



Control and Monitor Your Power Supply with Ease

The Xantrex Ethernet/RS232 interface is a microprocessor controlled card for the XFR series programmable DC power supplies. The internally installed interface card allows the user to remotely control the XFR power supply through the existing network or via a direct connection to a computer. The interface features an auto-sensing 10/100 Base-T network interface that provides fast programming and readback utilizing an extensive command set. The user can select between the factory default Ethernet or RS-232 control by adjusting internal jumpers on the interface card.

Controlling your XFR programmable DC power supply via Ethernet can be achieved by connecting to a network or by direct connecting to your computer via a network interface card which bypasses the need for a network. Direct connection via an RS-232 interface is also available.

Ethernet Features

- ▶ Auto-sensing 10/100Base-T network interface
- ▶ Robust onboard TCP/IP stack supports:
 - TCP/UDP
 - UDP Multicast
- ▶ Universal IP Address Assignment via:
 - DHCP
 - RARP
 - ARP-Ping
- ▶ Easy configuration via web browser (HTTP)
- ▶ RealPort® COM/TTY port redirection software
- ▶ Status LEDs for Link, Activity, and Diagnostics
- ▶ Reset switch to reboot Ethernet Bridge

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Ethernet/RS-232 Card



XFR 1.2 kW back view

Interface Features

- ▶ Programmable soft limits for voltage and current
- ▶ Programmable over voltage protection with reset
- ▶ Easy-to-use, self-documenting command set
- ▶ Standardized commands for complete communication with any of the supplies in the system
- ▶ User-programmable isolated fault, polarity, isolation, and auxiliary, user-defined output signals
- ▶ LED status signals: error, address, remote/local operation, and over voltage protection
- ▶ Foldback in CV or CC mode with reset
- ▶ Software calibration

Programmable Functions

- ▶ Output voltage and current
- ▶ Soft limits for voltage and current
- ▶ Over voltage protection
- ▶ Output enable/disable
- ▶ Maskable fault interrupt
- ▶ Hold and trigger
- ▶ Output relay signals

Readback Functions

- ▶ Actual voltage and current
- ▶ Voltage and current settings
- ▶ Soft voltage and current limits
- ▶ Over voltage protection setting
- ▶ Present and accumulated power supply status
- ▶ Programming error codes
- ▶ Fault codes
- ▶ Power supply model and software version identification