



# Rhino Equipment Corp.

## T1 Channel Bank Specifications



### Features

- 4x40 LCD real-time status display shows independent AB bit signaling
- Automatic T1 configuration using artificial intelligence software, no configuration switches
- CSU auto detects T1 modes: D4 or ESF, AMI or B8ZS
- T1 CSU via RJ48C, with line buildout programmability
- Internal power supply module, no external components
- FLASH based system configuration storage
- V.35 fractional data interface, user selectable to 56K or 64K
- Self diagnostics, verbose error reporting, loopback modes
- Single channel configuration, each channel may have a different analog start mode, signaling protocol, line current, or gain
- Telco network uptime and downtime T1 history
- Remote connection via RS-232c or Ethernet (optional) via Windows based graphical user interface
- Field software upgradable
- 19", 23" or wall mounting kit standard
- T1 and analog cables included
- Immediate, Wink, Loop, Ground, Kewl and three DID start protocols
- Distinctive ring in Loop start mode
- Caller ID enabled in Loop start mode
- Low cost fully populated FXS, fully populated FXO, or modular FXS/FXO mixed mode capable
- 110V AC, 220V AC and -48V DC modular power supply models
- 5-year limited warranty

### Benefits

Rhino Equipment Corp. channel banks provide a flexible and reliable product line that can satisfy any T1 need. Our products will beat your expectations, or your money back - guaranteed. If you can't find a model that suits your needs, please call us!

### T1 CSU

All Rhino channel banks feature a single CSU that is software controlled, software programmable and will self configure to the proper mode right out of the box.

### Analog Interfaces

The Rhino channel bank provides either FXS or FXO analog interfaces, both with digital technology that utilizes a dedicated Digital Signal Processor (DSP) for monitoring real-time line characteristics.

- FXS** - The Rhino FXS analog interface provides standard battery and ringing voltages to each of up to 24 loop or ground start analog channels.

Each channel provides:

- Digital DSP
- Line current limit from 18ma to 45mA
- Tx and Rx gain control of -5db to +6db
- Power down control from 1 to 3 secs.
- Ring cadence control

- FXO** - The Rhino FXO analog interface requires a standard POTs analog telephone line up to 24 inputs

Each channel provides:

- Digital DSP
- Tx and Rx gain control of -9db to +9db
- Ring cadence monitoring timer

- FXS/FXO Modules** - The Rhino modular channel bank model allows for installation of either a 4-channel FXS or FXO analog daughtercard. If the four slots are to be used as data, there is no need to install an analog card.

**Size:** 3.5" tall (2U), 17" wide and 8.5" deep

**Weight:** 12 pounds

### Rhino Models

- CB24-FXS-110V** - T1, 24 FXS analog channels, 110VAC
- CB24-FXS-220V** - T1, 24 FXS analog channels, 220VAC
- CB24-FXS-48V** - T1, 24 FXS analog channels, -48VDC
  
- CB24-FXO-110V** - T1, 24 FXS analog channels, 110VAC
- CB24-FXO-220V** - T1, 24 FXS analog channels, 220VAC
- CB24-FXO-48V** - T1, 24 FXS analog channels, -48VDC
  
- CB24-MOD-110V** - T1, 4-24 FXS/FXO analog channels, 110VAC
- CB24-MOD-220V** - T1, 4-24 FXS/FXO analog channels, 220VAC
- CB24-MOD-48V** - T1, 4-24 FXS/FXO analog channels, -48VDC

The modular Rhino channel bank can be ordered with four to 24 channels of either FXS or FXO analog channels installed in increments of four channels up to six modules.

All Rhino channel banks come in 110VAC, 220VAC or -48V DC models. The internal power supply module can be easily swapped.

**Call us!**  
**(800) 785-7073 x303**

**Email us!**  
**sales@rhinoequipment.com**

**Technical questions?**  
**support@rhinoequipment.com**

**Order online at:**  
**www.rhinoequipment.com**

**Rhino Equipment Corp.**  
**4122 W. Venus Way, Suite B**  
**Chandler, AZ 85226**

Rhino Equipment Corp. is proud to manufacture our products in the U.S.A..

Specifications are subject to change without notice.

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