

A Universe of Connectivity

P32xi



PLEIADES COMMUNICATIONS



It's incredible! Only the very best devices provide the flexibility and versatility necessary to keep up with the incredible pace of today's technological change. That's why Pleiades Communications developed the **P32xi** *intelligent* voice and data multiplexer.

At only 4 lbs and measuring 7.7" x 13" X 1.75", the **P32xi** is the smallest channel bank on the market today. But don't let size fool you, the P32xi can simultaneously handle local and long distance voice and high speed data, Internet, point-to-point T1 and frame relay services.

The **P32xi** comes complete with 32 channels; 24 FXS voice channels and eight expansion channels with one T1 network interface and a V.35 Data Port or an optional SNMP managed WAN Data Router/Bridge.

And the **P32xi** is prepared for emergencies. In the event of a power failure, the unit has up to eight hours of back-up battery power to ensure mission critical operations, without interruption. The unique wall-mounted BC-48 battery case is only 3.4" deep and 9.5" wide and 13.5" tall

All settings can be adjusted on site or remotely with the **StarCAD 9000™** graphical user interface (GUI). Plus, expansion boards allow the device to grow as the network grows. As technology changes, so does the **P32xi**.

Pleiades Communications designed the **P32xi** to provide all network services within a single unit. It's the ideal integrated access device for CLECs and IXCs rolling out digital services to their end-user's locations. It's also the right choice for small to medium-sized businesses looking to replace their existing edge devices or upgrading a satellite offices by adding a T1 connection.

The **P32xi** incorporates next-generation capabilities by offering leading-edge technology, scalability and unmatched reliability, ensuring communications efficiency and functionality well into the future.

Technical Specifications

P32xi

Features

- 24 analog FXS channels
- Can simultaneously handle local and long distance voice & data, Internet, point-to-point T1 and frame relay services
- V.35 interface on a high density DB-26 connector
- Integrated CSU with T1 Signaling and Line Code Conversion
- Optional SNMP managed WAN Data Router/Bridge for frame relay and Internet services
- Triple Mode Power: Power the P32xi from 110 VAC or 48VDC, or 110VAC with 48VDC back-up. The P32xi power supply contains an integrated battery charge circuit for use with the BC-48A battery cabinet.
- Battery back-up provides up to 8 hours of service
- T1 Voice can connect to Loop or Ground Start PBXs, KSUs or telephones
- Forward Disconnect function for loop start calls eliminates hung trunks
- E&M Immediate and E&M Wink to Loop or Ground Start
- Supports Carrier Services such as AT&T Megacom®

Management

- Entire unit can be remotely configured with StarCAD 9000™ GUI
- SNMP MIB II

Specifications and Functionality

PRIMARY T1 INTERFACE

Line Rate	1.544 Mbps
Framing	SF (D4), ESF or TR08 (software selectable)
Line Code	AMI or B8ZS (software selectable)
Clock Sources	Loop timing or internal clock
Output Signal	CSU or DSX1
Line Build Out (LBO)	0, -7.5, -15 or -22.5 dB (software selectable)
Mechanical	8-pin Modular RJ-45 jack and dual bantam jack for Tx & Rx monitoring
Signaling Conversions	All T1 signaling conversions supported

DATA PORT

Number of Ports	One per system (cannot be used when the Data Router option is installed)
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ROUTER MODULE (OPTIONAL)

(Disengages the V.35 port when installed)

LAN Interface	Ethernet 10Base-T (RJ-45)
Routing Protocols	IP, IPX, and bridging
Security	IP Filtering
Management	SNMP MIB II, Net Grip PC GUI interface
WAN Protocols	HDLC, PPP, Frame Relay (RFC 1490)

ANALOG

FXS Signals	FXS Loop or Ground Start
Transmit Gain	+1 to -8 dBm, user selectable
Receive Gain	+1 to -8 dBm, user selectable
Impedence	600Ω or 900Ω (software selectable)

PERFORMANCE MONITORING

Channels	T1 Channels via FDL (AT&T 54016, ANSI T1.403) or GUI Interface
Reports	Last 24 Hours in 15 minute increments; ES, SES, BES, UAS. LOFC, Errored Events

ALARMS

Call for Help	Auto dial out via external modem at present thresholds LEDS; Contacts: One set of dry contacts of pair 25
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POWER

AC Input: 110 VAC, 0.8A or DC Input: -48 VDC, 1.5A or AC and DC Input : 110 VAC and -48 VDC. Switches to DC power upon AC power failure
Ringer: 15 REN low distortion sine wave integrated into the P32xi

BATTERY BACK-UP POWER

-48 VDC battery charger integrated into power supply circuitry
Integrated float, equalize and auto battery test functions
Life: Up to 8 hours @ 18 CCS with BAT-HE12V7.7 batteries

PHYSICAL

P32xi: 13" wide x 1.75" deep x 1.75" tall (1 RU); 4 lbs.
BC-48A 9.3" wide x 3.4" deep x 13.5" tall; 7.5 lbs (31 lbs with batteries)

COMPLIANCE

FCC Part 68, FCC Part 15 Class A, NRTL; Safety Listed UL 1950, AT&T TR 54016, 62411 & 43801



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