

Model EZ Series



CSU/DSUs



Model EZ-FT1

FEATURES

Model EZ-T1

- **The Easy Way to Go T1.** Now, the most cost effective T1 access product, the EZ-T1. If you need access to the Internet or just to connect to T1 services, this is the right product. Combining the latest in Programmable Logic Devices, Micro-controllers and Application Specific Signal Processors, these products are a leap forward in the state of the art. The performance to price ratio of these products shatters all previous barriers. The product is truly full featured. Check the specifications for EZ-T1.
 - **Configuration is EZ, using TRI-MODE ACCESS**
 - **ACCESS 1** This is the full terminal or PC access mode. Using the command port, the user can select all of the options and exercise all the performance monitoring capabilities.
 - **ACCESS 2** Set options via dip switches. All of the options can be selected by the rear panel accessible DIP switches. The configuration is held by the hardware memory settings. Power glitches will not disturb the configuration.
 - **ACCESS 3** All of the EZ-T products operate in the set to default mode.
 - **The EZ-T1 is covered by a Lifetime Warranty**
- **Now the most cost effective T1 access product, the EZ-FT1.** If you need access to the Internet or just connecting to T1 or fractional T1 services, this is the right product. Combining the latest Programmable Logic Devices, Micro Controllers and Application Specific Signal Processors, these products are a leap forward in the state of the art. The performance to price ratio of this product shatters all previous barriers. This product has many unique features, such as complete random selection of DSO's.
 - **Configuration is EZ, using BAT TRI MODE ACCESS**
 - **ACCESS 1** This is the full terminal or PC access mode. Using command port the user can select all of the options and exercise all of the performance monitoring capabilities.
 - **ACCESS 2** Set options via dip switches. All of the options can be selected by the rear panel DIP switches. The configuration is held by hardware memory settings. Power glitches will not disturb the configuration.
 - **ACCESS 3** Default. All of the EZ-T products operate in the set to default mode.
 - **The EZ-FT1 is covered by a Lifetime Warranty**



FEATURES CONT.

Model EZ-56K

• **The EZ Way To Go Digital. Now from BAT Electronics the most effective 56K access product: the BAT EZ-56K. If you need access to the Internet, Frame Relay, or just connecting to the digital network this is the right product. We have eliminated the interface guessing game by providing both V.35 and RS-232 interfaces and connectors. With both interfaces you get full 56 kilobit speed without performance degradation. Both interfaces support control signals for point to point or multi-point applications. The transparent synchronous port allows you to connect any device with those interfaces without the worry of format compatibility.**

- **Plug Play and Forget**
- **Plug: Connecting to your terminal equipment and the network is a snap. The EZ-56K comes with a telephone line cord and convenient power plug.**
- **Play: With our new EZ to use application oriented manual you are on the air right away. If there are any glitches the EZ to use diagnostics will have the problem isolated in short order.**
- **Forget: Your worries. BAT Electronics' reputation for reliability insures a long and trouble free product life.**
- **The EZ-56K is covered by a Lifetime Warranty**

DESCRIPTION

It's the BAT Technology and experience that makes it EZ. The advanced Field Programmable Gate Array Technology, originally designed for the government's "Star Wars project", is brought down to earth by BAT Electronics. Higher logic density, faster speeds, and more flexibility gives us more capability than can be realized using conventional logic techniques.

The Data Communication world has gone digital. Line costs today favor using digital circuits over slower speed analog lines. BAT products allow users to make a smooth transition from the current speeds in use, to the world of digital networking without instant obsolescence.

The EZ Lifetime Warranty

All of BAT Electronics Products are protected by the EZ Lifetime Warranty. Instead of confusing fine print and double speak, ours is EZ. If it breaks, we fix it free. BAT uses Total Product Quality. The concept of quality starts with the design and follows through production, test and after sales support. We strive to do it right the first time, every time.

MODEL EZ-T1 SPECIFICATIONS

GENERAL

Data Rate:

1.544Mbps

Operating Modes:

Line Codes: AMI/B8ZS. Framing: D4/ESF (ATT or ANSI)

Standard Features:

Local and remote test with internal pattern generator. Front panel LED display aids in testing, monitoring and trouble shooting. Full performance monitoring per ANSI and Bellcore requirements, including 24 hour network with error second information. All reports available via command port.

CUSTOMER INTERFACE

Connectors:

One V.35 for DTE interface
One DB-25 for RS-530 for DTE interface
One DB-25 for command port. (Supports RS-232 PC or terminal)

Speed:

1.544Mbps

Mode:

Synchronous

EZ-T1 SPECIFICATIONS CONT.

PHYSICAL

Size:

Height 2.5" (64mm)
Width 8.0" (203mm)
Depth 6.25" (159mm)

Power:

117 VAC +/- 10%, 60 HZ. 5 watts

Environment:

0 to 50 C, up to 95% humidity

Rack Mount:

Fits in current BAT Rack

LINE INTERFACE

Line Interface:

Standard registered jack on rear panel.

Equalization:

Fully Automatic and adaptive, no need for user adjustments.

Line Requirements:

Digital service at T-1 speed.



Model EZ-56K

MODEL EZ-FT1 SPECIFICATIONS

GENERAL

Data Rate:

T-1 or fractional T-1 speeds

Operating Modes:

Line Codes: AMI/B8ZS. Framing: D4/ESF (ATT or ANSI)

Standard Features:

Local and Remote test with internal pattern generator Front panel LED display aids in testing, monitoring, and trouble shooting. Full performance monitoring per ANSI and Bellcore requirements including 24 hour network error second information. All reports available via command port.

Mode:

Synchronous

PHYSICAL

Size:

Height 2.5" (64mm)
Width 8.0" (203mm)
Depth 6.25" (159mm)

Power:

117 VAC +/- 10%, 60HZ . 5 watts

Environment:

0 to 50 C, up to 95% humidity

Rack Mount:

Fits in current BAT Rack

CUSTOMER INTERFACE

Connectors:

One V.35 for DTE interface
One DB.25 for RS-530 for DTE interface
One DB-25 for command port. (Supports RS-232 PC or terminal)

Speed:

Nx56 or Nx64Kbps N=1 to 24. Any selection of DSO's ok.

LINE INTERFACE

Line Interface:

Standard registered jack on rear panel.

Equalization:

Fully automatic and adaptive, no need for user adjustments.

Line Requirements:

Digital service at T-1 or fractional T-1 speeds.

MODEL EZ-56K SPECIFICATIONS

GENERAL

Data Rate:

56,000 BPS

Operating Modes:

Dedicated Digital Service, for point to point operation. The product may also be used as a Limited Distance Modem.

Standard Features:

IN Service LED, internal timing, permanent RTS (user option). Non-volatile parameter storage. Dual interfaces. Internal pattern generator. Proven design.

Test Features:

Ten front panel status and test indicators. Front panel push button selects the following test modes: Self Test, Digital Loop, Local Loop, Remote Loop Responds to Bell defined loop backs. Internal pattern generator.

AC Power:

117 VAC +/- 10%, 60Hz, 12w.

Environment:

0 to 50 C, up to 95% humidity.

Physical:

Height	2.5" (64mm)
Width	8.0" (203mm)
Depth	6.25" (159mm)

CUSTOMER INTERFACE

Connectors:

One V.35 and one DB-25 connector.

Configuration:

Speed	56.0K
Interface	V.35/ RS-232
Sync	YES

Signals are present at both connectors

Data Format:

Synchronous

LINE INTERFACE

Line Interface:

Standard registered RJ-48s jack on rear panel.

RX Levels:

Supports attenuation of greater than 48db. (14 db better than telco specs)

Equalization:

Fully automatic and adaptive, no need for user adjustments.

Line Requirements:

Digital Service at 56K.

ORDERING GUIDE

Model EZ-T1

Full T1 CSU/DSU

Model EZ-FT1

T1 or Fractional T1 CSU/DSU

Model EZ-56K

56Kbps CSU/DSU



INDUSTRIAL COMPUTER SOURCE®

9950 Barnes Canyon Rd. San Diego, CA 92121

1-800-523-2320