

Redfone foneBRIDGE2-EC Single Port T1/E1 to TDMoE with EC



Product Name: Redfone foneBRIDGE2-EC Single Port T1/E1 to TDMoE with EC

Manufacturer: RedFone Communications

Model Number: 750-4000-EC

New Low Cost and Compact Single Port T1/E1 foneBRIDGE2

Redfone foneBRIDGE2-EC Single Port T1/E1 to TDMoE with onboard Echo Cancellation T1/E1 Redundancy, High Availability and Simplified Installation in an Economical Package Overview Designed as a low-cost alternative to old fashioned PCI based cards, the new single port foneBRIDGE2 is a T1/E1-to-Ethernet Gateway. It is an integrated black-box "appliance" designed to streamline installation and enable redundant design of Asterisk based VoIP systems.

foneBRIDGE2 eliminates the need to install proprietary TDM PCI hardware cards in approved or compatible server configurations. Instead, foneBRIDGE2 terminates T1/E1 lines on the trunk side and provides direct Ethernet communication to a network of PBX servers using native Asterisk TDMoE formats and utilities. Engineered around our unique high-speed SoC (System-on-Chip) TDMoE engine, foneBRIDGE2 provides low-latency delivery of your critical voice traffic. Target Applications

- T1/E1 PRI Trunk termination
- Legacy PBX-to-Asterisk integration
- Simple, single server installs
- Complex, HA Asterisk clusters
- Channel Bank connectivity
- Blade Servers where PCI slots are not available
- Compatible with Asterisk, trixbox, Elastix, FreeSWITCH, and others

Echo Cancellation (Optional)

- On-board high speed digital signal processing with TI’s 6000™ DSP platform
- Adaptive Digital “carrier class” G.168.v8 patented echo canceller
- 128ms (1024 taps) of echo tail
- Comfort Noise Generator
- Automatic tail search, fast convergence, and no di-vergence due to double talk
- Tone disabler for clear fax and modem communication

Key Features Failover & Asterisk HA Enabled High-Availability through rapid failover capabilities ensures your critical telephony services are always on and available Flexible Configuration

- Supports multiple T1/E1 standards
- Field upgradeable

Solid State Embedded Appliance

- No moving components
- Low heat and power consumption
- High MTBF (mean time before failure)

Standards Telephony

- PRI Switch Compatibility– EuroISDN, AT&T 4ESS, DMS 100, Lucent 5E,

Redfone foneBRIDGE2-EC Single Port T1/E1 to TDMoE with EC

NI1/NI2; Network or CPE

• Line Interface– Single T1/E1 (RJ45)

• Line Encoding– AMI/B8ZS for T1, AMI/HDB3 for E1

• Super Frame (SF) and Extended Super Frame (ESF)

• Robbed Bit Signaling (RBS/CAS)

• Short and Long Haul line build out (LBO)

• Adaptive Equalizer for line attenuation conditioning

• MFC/R2, SS7 support with 3rd party libraries

Ethernet 1x RJ45 10/100-BASE-TX Half/Full-duplex Specifications

• Electrical: DC 500mA Max @ 5V (2.5W)

• Environmental: 0 to 50 deg C operating

• Physical: Dimensions: 4.75” x 5.00” x 1.00” Weight: 0.5 pounds

Mounting: Flange Mount/Desktop

• US, UK and EUR style power connectors

Models

• Single port non Echo Cancellation: 750-4000

• Single port with Echo Cancellation: 750-4000-EC

Price: Â£648.00