

Redfone foneBRIDGE2-EC Dual T1/E1 Ethernet Bridge with EC



Product Name: Redfone foneBRIDGE2-EC Dual T1/E1 Ethernet Bridge with EC

Manufacturer: RedFone Communications

Model Number: 750-5050-EC

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Asterisk? T1/E1 Redundancy, High Availability and now Carrier Class Echo Cancellation in an economical package.

foneBRIDGE2-EC is a T1/E1 PRI-to-Ethernet Bridge. It is an integrated black-box "appliance" designed to streamline installation and enable redundant design of Asterisk based VoIP/PBX systems.

foneBRIDGE2-EC eliminates the need to install proprietary TDM hardware cards in approved compatible server configurations. Instead, foneBRIDGE2-EC terminates T1/E1 PRI lines on the trunk side and provides direct Ethernet communication to a network of Asterisk servers using native Asterisk TDMoE formats and utilities.

Engineered around our unique high-speed SoC (System-on-Chip) TDMoE engine, fone-BRIDGE2 provides low-latency delivery of your critical voice traffic.

Failover & Asterisk HA Enabled

- High-Availability through rapid failover capabilities ensures your critical telephony services are always on and available

Flexible Configuration

- Configurable on a per-port basis, foneBRIDGE2 allows you to mix multiple telephony standards on a single deployment

Solid State Embedded Appliance

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

Carrier Class Echo Cancellation

- ITU G.168 Compliant - 128ms of echo tail on over 100 concurrent channels - Qualified as Toll Quality by AT&T

KEY FEATURES

Target Applications

- T1/E1 PRI Trunk termination - Legacy PBX-to-Asterisk integration - High-Availability/Failover Asterisk clusters - Channel Bank connectivity - Mixed telephony environments (ex. E1 PRIs + T1 Channel Banks) - Blade Servers where PCI slots are not available

Standards

Telephony

- PRI Switch Compatibility- EuroISDN, AT&T 4ESS, DMS 100, Lucent 5E, NI1/ NI2; Network or CPE - Line Interface- Dual or Quad T1/E1 (RJ45), per port configurable - Line Encoding- AMI/B8ZS for T1, AMI/HDB3 for E1 - Super Frame (SF) and Extended Super Frame (ESF) - Robbed Bit Signaling (RBS/CAS) - Short-haul and Long Haul line build out (LBO) - Adaptive Equalizer for line attenuation conditioning

Echo Cancellation

- Utilizes on board high-performance digital signal processing with TI's 6000? DSP platform - 128ms (1024 taps) of echo tail - Comfort Noise Generator - Automatic tail search, fast convergence, and no divergence due to double talk - Tone disabler for clear fax and modem communication - Powerful and flexible FPGA based architecture provides for quick field upgradeability

Ethernet

- 10/100-BASE-TX Half/Full-duplex - 2 x Dedicated RJ45

Specifications

- Electrical: DC 500mA Max @ 5V (2.5W) - Environmental: 0 to 50 deg C operating - Physical: Dimensions: 5.00" x 6.50" x 1.00" Weight: 1 pound Mounting: Flange Mount or Desktop

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Price: Â£1,219.00
