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 redun-dant 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 commu-nication 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

ï¿½ T1/E1 PRI Trunk termination
ï¿½ Legacy PBX-to-Asterisk integration
ï¿½ Simple, single server installs
ï¿½ Complex, HA Asterisk clusters
ï¿½ Channel Bank connectivity
ï¿½ Blade Servers where PCI slots are not available
ï¿½ Compatible with Asterisk, trixbox, Elastix, FreeSWITCH, and others

Echo Cancellation (Optional)

ï¿½ On-board high speed digital signal processing with TI’s 6000™ DSP platform
ï¿½ Adaptive Digital “carrier class” G.168.v8 patented echo canceller
ï¿½ 128ms (1024 taps) of echo tail
ï¿½ Comfort Noise Generator
ï¿½ Automatic tail search, fast convergence, and no di-vergence due to double talk
ï¿½ Tone disabler for clear fax and modem communication

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

ï¿½ Supports multiple T1/E1 standards
ï¿½ Field upgradeable

Solid State Embedded Appliance

ï¿½ No moving components
ï¿½ Low heat and power consumption
ï¿½ High MTBF (mean time before failure)

Standards Telephony

ï¿½ PRI Switch Compatibility– EuroISDN, AT&T 4ESS, DMS 100, Lucent 5E,

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NI1/NI2; Network or CPE

ï¿½ Line Interface– Single T1/E1 (RJ45)

ï¿½ Line Encoding– AMI/B8ZS for T1, AMI/HDB3 for E1

ï¿½ Super Frame (SF) and Extended Super Frame (ESF)

ï¿½ Robbed Bit Signaling (RBS/CAS)

ï¿½ Short and Long Haul line build out (LBO)

ï¿½ Adaptive Equalizer for line attenuation conditioning

ï¿½ MFC/R2, SS7 support with 3rd party libraries

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

ï¿½ Electrical: DC 500mA Max @ 5V (2.5W)

ï¿½ Environmental: 0 to 50 deg C operating

ï¿½ Physical: Dimensions: 4.75” x 5.00” x 1.00” Weight: 0.5 pounds
Mounting: Flange Mount/Desktop

ï¿½ US, UK and EUR style power connectors

Models

ï¿½ Single port non Echo Cancellation: 750-4000

ï¿½ Single port with Echo Cancellation: 750-4000-EC

Price: £648.00