

Overview

The **foneBRIDGE2 Single** port 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 systems.

Perfect for simple T1/E1 standalone Asterisk installs or complex clustered environments that require High Availability with minimal downtime.

Dual port capability out of the box without the upfront investment. Through a simple and cost effective upgrade license the 2nd port can be enabled on demand.

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

Key Features

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. Field upgradeable

Solid State Embedded Appliance

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

Optional DSP based Carrier Grade Echo Cancellation

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 T1/E1 (RJ45).
- Line Encoding– AMI/B8ZS for T1, AMI/HDB3 for E1
- Framing– SF, ESF, CCS, CAS
- Robbed Bit Signaling (RBS/CAS)
- Short and Long Haul line build out (LBO)
- Adaptive Equalizer for line attenuation conditioning

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

MODEL NUMBERS

- No Echo Cancellation: 750-5050-Single
- With Echo Cancellation: 750-5050-EC-Single
- Upgrade License: 750-DUAL-Upgrade

