

OVERVIEW

Asterisk PBX T1/E1 Redundancy, High Availability & Load Balancing in an economical Enterprise class solution

foneBRIDGE2 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.

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 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.

KEY FEATURES

Enables T1/E1 Load Balancing

- Share trunk resources among multiple Asterisk servers through the load balancing capabilities of foneBRIDGE2

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)

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)

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)

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

