

Multi-PRI Astribank

Specifically designed to meet the requirements of Competitive Local Exchange Carriers (CLEC) and other VoIP Providers, this compact 19" 1U chassis supports up to 480 digital telephony channels

Overview

Service providers and other implementations requiring a large number of PRI ports will appreciate the high density E1/T1 Astribank. It supports up to 16 PRI ports for up to 480 E1 channels (or up to 384 T1 channels) in a compact, 19" rack-mountable chassis. This modular, expandable unit features built-in redundancy, as each four-port module works independently, and the entire unit may be powered by Xorcom's dedicated multiple redundant power supply unit. Hardware echo cancellation is standard for all active ports.



Fully-activated 16-port E1/T1 Astribank supports hundreds of digital channels

Specifications

Software	
Supported Asterisk® Versions	1.4.x, 1.6.x, 1.8.x
Required DAHDI Drivers	The DAHDI drivers required are the same as those required for the Xorcom Hardware Echo Cancellation add-on. See this document for details (http://www.xorcom.com/files/techdocs/hardware-echo-cancellation-software-installation-instructions.pdf) .
Capacity (concurrent calls)	30 concurrent calls per active E1 port (e.g., for the XR0111 with 8 E1 ports, the calculation would be: 8x30=240), or 24 concurrent calls per active T1 port (e.g., for the XR0111 with 8 T1 ports: 8x24=192)

Hardware	
Interface Integration	E1/T1 PRI, E1 R2, or T1 CAS, which includes: <ul style="list-style-type: none"> • Full PRI/R2/CAS ISDN support • NT/TE settings for each port • Indicator lights for active settings and line status, per port • E1/T1 support (configurable)

Hardware	
Server Requirements	Intel Core 2 Duo 3GHz (for basic PBX functionality). For special requirements (call recording, G.729, etc.), a stronger processor may be necessary.
Echo Cancellation Module	Voice enhancement and echo cancellation; standard in this Astribank model
USB	2 external USB 2.0 ports
Weight	Weight 3 kg / 6.6 lbs (minimum – depends on model)
Dimensions	19" 1U
Mounting Options	Wall, Rack

Configuration Tips

There are no special requirements for this unit. As with any Astribank E1/T1 the recommendation is that all TE ports be connected to the same provider. If some ports must be configured for NT then it is recommended that at least one TE port be configured for each module. For example, if the configuration requirement is 4 NT ports and 4 TE ports then they should be configured as follows:

TE	TE	TE	NT	or	TE	NT	NT	NT
TE	TE	NT	NT		TE	TE	NT	NT

Ordering Information

P/N	Description
XR0110	Astribank with 6 active E1/T1 ports (includes two telephony modules)
XR0111	Astribank with 8 active E1/T1 ports (includes two telephony modules)
XR0112	Astribank with 10 active E1/T1 ports (includes three telephony modules)
XR0113	Astribank with 12 active E1/T1 ports (includes three telephony modules)
XR0114	Astribank with 14 active E1/T1 ports (includes four telephony modules)
XR0115	Astribank with 16 active E1/T1 ports (includes four telephony modules)
XR0108	Redundant Power Supply unit that provides redundant power for up to 16 Astribanks – <i>optional (highly recommended)</i>
XR0106	External USB hubs, housed in Redundant Power Supply unit (P/N XR0108), can support up to 32 USB 2 connections – <i>optional (highly recommended)</i>
LC0016	TwinStar high availability solution for complete Asterisk-based systems (configuration requires two identical Asterisk servers) - <i>optional</i>

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