

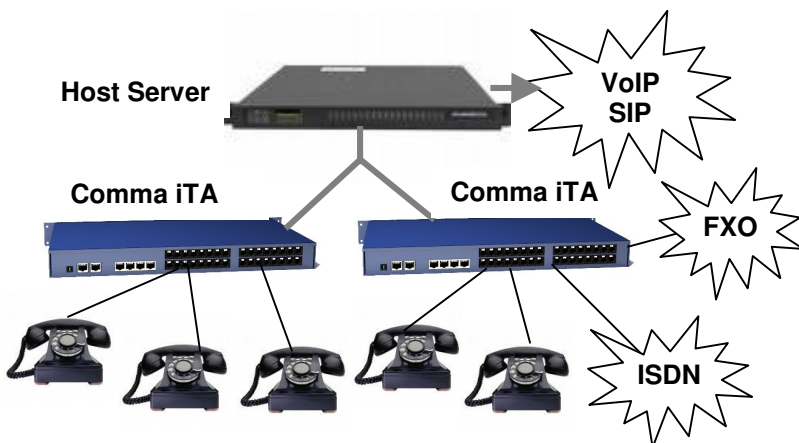


Comma iTA Intelligent Telephony Adapter for Asterisk

Comma iTA is a flexible and comprehensive telephony interface solution for PBX, contact center and gateway installations.

Asterisk telephony applications, built on commodity computer servers, couple with Comma iTA's via a standard Ethernet interface and an efficient TDM over Packet transfer protocol. The Comma iTA provides dedicated voice processing hardware thus off-loading critical, channel related processing from the host server, while providing integration to legacy telecom infrastructure.

The Comma iTA thus supports the deployment of large, feature-rich solutions over a distributed and scalable architecture.



Features

- 1U rack-mount unit supports high density installations
- All the flexibility and features of Asterisk™
- Echo cancellation for all channels
- Timing synchronization of multiple units and host servers over Ethernet
- 10/100Base-T Ethernet connection to host server
- T1/E1 PRI, 1 port (future 2 or 4-port option)
- FXS and FXO, up to 32 ports
- BRI, up to 8 ports
- Extremely cost effective solution for many applications

Example Configurations

- iTA-4B16S = 4 BRI + 16 FXS
- iTA-1P4O24S = 1PRI + 4 FXO + 24 FXS

Intelligent Telephony Adapter

Comma iTA is a dedicated telephony platform incorporating a 32-bit RISC processor core and digital signal processing resources.

Boost the Power of Asterisk™

The renowned power, flexibility and stability of Asterisk is often compromised by the addition of PCI-based adapters, which introduce unwanted system dependencies and limitations. Because Comma communicates with Asterisk™ over Ethernet only, the Asterisk server becomes a pure network appliance.

Scalable and Distributed

The Ethernet based backbone enables scalable, distributed and redundant systems. It is possible to combine multiple iTAs and/or multiple servers in a single system.

Flexible Interface Options

Comma iTA offers the following interface types:

- FXS, up to 32 ports in steps of 4
- FXO, up to 32 ports in steps of 4
- PRI, single E1/T1 port
- BRI, 4 or 8 ports

Combinations of up to 32 FXS/FXO with BRI or PRI are offered.

Echo Cancellation

Comma iTA provides dedicated hardware for echo cancellation, ensuring toll-quality speech in all situations.

Synchronization

Comma iTA provides dedicated synchronization hardware supporting timing recovery from the Ethernet or the PRI interface. Multiple iTA's and host servers can be synchronized to a selected clock source, eliminating the slips that disrupt fax and modem signals.