Simplify and Extend the Usability and Reliability of Asterisk®-based Systems

Xorcom products are supplied with an ever-expanding array of options to simplify and extend the usability of Asterisk for business use.

Complete and Automatic Failover for IP-PBX

TwinStar™ is an award-winning high availability solution providing automatic detection of PBX failure and immediate switching of all telephony functions, including traditional and IP-based telephony, to a back-up server within seconds. The singular architecture of the USB 2.0-connected Astribank channel bank, which houses the TwinStar intelligence, enables this unique capability for Asterisk-based systems.

PBX Backup and Recovery Made Simple

Rapid Recovery™ enables simple, safe and speedy recovery of all Xorcom's IP-PBX solutions. In just a few minutes, this utility can restore and recover the Xorcom IP-PBX, including its configuration files and voice prompts, if desired. In addition, this tool can be used to reduce implementation time in multi-site facilities. Simply prepare the common configuration — such as dialing plan, IVRs, ring groups, phonebook, etc. — and save the image to the Rapid Recovery disk-on-key. For each site, use the Rapid Recovery to install the image, then set the system name and define the IP address. The new system is ready for use!

Hardware Echo Cancellation for Voice Improvement

This hardware echo cancellation module enhances voice quality while reducing load on the Asterisk server's CPU to improve performance. It is an alternative to OSLEC, the software echo cancellation solution typically used in Asterisk systems, and can be added as an option to any new model Astribank or Xorcom IP-PBX (except the XR1000).

Geometrically Increase Your IP-PBX Hard-Drive Reliability

For increased system reliability, Xorcom offers RAID 1 support in the C/XE2000, C/XE3000 and Blue Steel, and RAID 5 in the CXE4000. In case an active disk fails, the other disk automatically takes over and an alarm e-mail is sent to the system administrator. The Xorcom IP-PBX unit continues to work seamlessly, and the system administrator can schedule a planned replacement of the faulty disk at a convenient time.

Analog Lines Failover Kit

In case of power outage or an Asterisk malfunction, up to six analog PSTN (FXO) lines are routed directly to predetermined analog extensions (FXS).

Secure Remote Access for Targeted, Real-time Tech Support

Rapid Tunneling™ provides secure remote access to the IP-PBX for purposes of troubleshooting, diagnostics, and even correct of configuration issues in real time. The support process is streamlined with minimal resource investment; there is no need to ship systems, wait for log files, and attempt to understand issues from phone conversations – gaining all the advantages of an on-site service call without incurring any of the expense.

Redundant Power Supply for Maximum System Protection

The Xorcom multiple power supply device provides redundant power for up to 16 Astribanks via four separate internal power units in a microcomputer-based control system. In the event that one of the power units malfunctions, an alert is dispatched to the system administrator (via e-mail or automated pre-recorded phone message) so that maintenance can be scheduled. In the meantime, all of the Astribanks continue to function seamlessly, since the remaining power units regroup to provide the requisite power.

Embedded USB Hubs for Optimized Connectivity

The multiple power supply device also houses up to eight internal USB 2.0 hubs with four ports each, to support a total of 32 USB 2.0 connections.

Input/Output (I/O) Ports for Peripheral Device Operation

The Astribank FXS models support I/O ports. The two output ports enable activation/ deactivation of peripheral devices by dialing an extension number. A popular example of output port usage is to open a door by dialing an extension. The four input ports create an off hook event in Asterisk. The dial plan can be configured to use this function to dial an extension, play a message, send an email, activate another device, etc. Possible input port usage includes forwarding a call to specific numbers, and playing a prerecorded message if the fire/burglar alarm goes off.

Public Address Functionality

Installing a new Xorcom IP PBX and your client has an existing paging system? No problem for Xorcom. Rapid PA™ is a small, stand-alone add-on that interfaces with any Astribank FXS port to provide public address functionality. It is equipped with two RJ11 ports: one connects to an Astribank FXS port and the other to the 'line in'/'audio in' port of a PA device, which can be anything from a standard personal computer speaker with an internal amplifier to an industrial strength amplifying system. Rapid PA is activated by dialing the port's extension.

Telecom Connector Option (TCO)

This option is available in Astribank units with FXS and/or FXO ports. To streamline installation of multi-port systems, the TCO unites all FXS and/or FXO ports on the Astribank unit into a single telecom connector on the real panel. All front panel indicators and RJ11 connectors remain active and enable easy monitoring and maintenance. A cable for connecting the telecom connector to the patch-panel is included.

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