



Liebert IP Telephony Availability System

Power Availability

## THE PERFECT POWER SOLUTION FOR CISCO NETWORK APPLICATIONS



*A Bundled Solution Designed For Use With  
Cisco Systems IP Telephony Equipment:*

- *On-Line UPS Protection*
- *Physical Security*
- *Remote Management*

 **Cisco**  
Compatible

  
**EMERSON**  
Network Power

# YOUR BUSINESS DEPENDS ON THE ABILITY TO COMMUNICATE

Many organizations are looking to IP telephony to leverage the Internet's advantages and bring new levels of efficiency to their business. The increasing complexity of network convergence and user expectations for "dial tone availability" are driving new approaches to power protection and physical security.

## **Robust Protection For Increasingly Complex Networks**

Users expect converged networks to maintain the high level of availability provided by the traditional phone system. To ensure this level of availability it is critical that you plan power protection and physical security for the servers, routers and switches that make up a converged network. The difference today is that these components may reside outside the protection of a data center environment.

## **High Availability At Any Point Of Your Network**

While the core of your IT systems may be adequately protected against power and heat-related threats, many critical pieces of the network - such as IP telephony components - can be located miles away in remote locations or branch offices. This mission-critical equipment needs high-availability protection. This means you have to consider three aspects of protection:

**Power Quality** - For mission critical applications true on-line double-conversion is the only UPS technology that can protect you from power interruptions, voltage sags and surges, waveform distortion, line noise, voltage spikes and frequency deviations.

**Remote Monitoring and Management** - IP telephony equipment in remote locations, away from IT staff, requires remote monitoring and equipment control.

**Physical Security** - When your remote network is located in a "public space" you need physical security as well. Enclosures will get your equipment out of harm's way and protect it from curious hands. Enclosure options also allow you to mount the equipment on the wall, freeing up valuable floor space, keeping the equipment protected from accidental spills and permitting controlled access by providing the ability to lock the cabinet.

# PROTECTING REMOTE NETWORK EQUIPMENT

In the past, protecting network equipment with the highest level of reliability wasn't always necessary. Today, network convergence and the increasingly critical nature of IP telephony systems require a rethinking of your protection strategy.

This is why Liebert has brought together several of our products to create the Liebert IP Telephony Availability System. The Liebert IP Telephony Availability System has met the Cisco AVVID (Architecture for Voice and Video Integrated Data) Partner Program test criteria for interoperability with any Cisco router or switch running Cisco CallManager Express or Unity Express. It accommodates all stackable Cisco Systems switches and routers, including the new 1800, 2800 and 3800 router families designed for the SMB market.

The continuous operation of your critical network components is too important to leave to chance. Assuring the flow of clean, reliable power to your Cisco components requires a protection solution that will fully safeguard them from all power variations as well as outages.

# THE LIEBERT SOLUTION

## The Liebert IP Telephony Availability System includes:

Liebert offers users of Cisco IP telephony equipment a comprehensive protection environment that includes mission critical power protection, maintenance bypass and physical security in a single package.



**Liebert UPStation™ GXT 2U True On-Line UPS System For Mission-Critical Power Protection** - A true on-line, double conversion UPS, the Liebert UPStation GXT 2U is available in sizes ranging from 500VA to 6000 VA. The unit's compact 2U size cabinet includes internal batteries and additional run time is easily added with external battery cabinets.

The Liebert UPStation GXT 2U delivers the high level power quality required to fully protect critical network switching components from all power problems. The system provides easy user operation through an LED display that shows battery capacity, percentage of UPS load, battery operation, bypass operation and UPS fault condition.

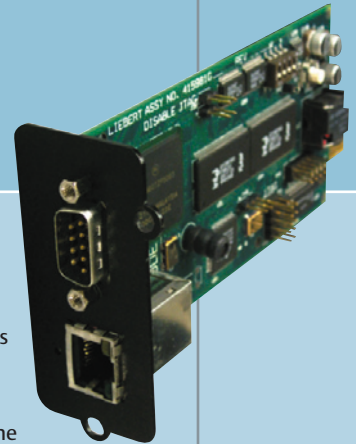
**A Liebert 2U POD™ For Continuous Power During UPS Maintenance** - In most cases, your critical routers and other network components cannot be without power even for scheduled UPS maintenance. To resolve this issue, the Liebert 2U Power Output Distribution (POD) system ensures continuous uptime by providing maintenance bypass capability as well as power output distribution.

The 2U POD enables you to manually transfer your connected equipment to utility power via a maintenance bypass switch. This allows scheduled maintenance or replacement of the UPS without disrupting power to critical equipment.

**A Liebert OpenComms™ Web Card Housed Within The UPS For Power System Monitoring And Communications** - Delivers SNMP and web-management communications capabilities to your power system, including the ability to remotely reboot the switch by cycling the UPS power off and on. It enables the GXT 2U to take full advantage of your Ethernet network with remote monitoring available from your computer desktop, operations center or wherever network access is permitted.

**Liebert OpenComms EM For Environmental Monitoring** - Connects temperature and humidity sensors for monitoring via SNMP communications. A third input is also available for use with an additional contact sensor. Can be used with Liebert OpenComms Nform monitoring or network management systems.

**Liebert Foundation Wall Mount 24" Enclosure Or 44" High Freestanding Enclosure For Security** - These high-quality, lockable enclosures provide an effective solution for limited space equipment mounting applications requiring both equipment protection and security.



# WE HELP YOU GET IT RIGHT — RIGHT FROM THE START.



## Liebert IP Telephony Availability System

## Power Availability

**No organization in the world today has a better understanding of exactly what it takes to keep critical information and network processes operating continuously than Liebert.**

We are the only company in this business that maintains a strong local network of representatives, distributors and solutions providers. These resources, coupled with our broad product line, gives Liebert the ability to create a "tailored solution" that will meet your protection needs precisely and efficiently.

There are Liebert systems designed for nearly every application — from basic protection for network PCs, servers or point-of-sale terminals...to highly engineered systems for computer rooms, telecommunications centers, Internet hosting sites, colocation facilities and industrial control rooms. But no matter what the size or complexity, the availability of these critical electronic systems is Liebert's primary focus.

With your purchase of a Liebert product, you are buying into a company that stands behind its products. You are also aligning yourself with an organization that has a reputation for quality and reliability that is second to none.

After the sale, Liebert provides comprehensive support wherever and whenever it's needed, with the largest service organization in the industry.

In the systems protection business it's when you need someone to count on that you find out whether you've made the right choice. Liebert customers — many of them with us for over three decades — already know how good their decision was.

*Keeping your vital systems  
secure, year after year —  
Liebert provides peace-of-mind  
protection for critical facilities.*



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