

Proxicast's LAN-Cell 2 3G Cellular Router Enables Remote Access to HVAC and Building Control Systems

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Pittsburgh, PA. (October 19, 2009) – Proxicast's (proxicast.com) LAN-Cell 2 3G cellular router is fast becoming the professional choice for providing building HVAC systems and management controls with secure and reliable wireless communications to central monitoring locations. Leading building automation equipment vendors, contractors, systems integrators, and property management firms are adopting Proxicast's LAN-Cell 2 as a "vendor-neutral" solution for intelligent control systems in industrial, commercial, office, retail, educational, and healthcare facilities.

The introduction of sophisticated computer-based Internet Protocol (IP) capabilities in HVAC and intelligent building control systems has opened a world of possibilities for managing a building's energy utilization and comfort requirements. To further reduce on-site costs, building management systems can be connected to the Internet for remote centralized management and diagnostics. Proxicast's LAN-Cell 2 3G cellular router makes it easy to instantly connect and monitor building automation systems from anywhere. The LAN-Cell 2 works with all IP-enabled building automation hardware and management system software platforms, often requiring no changes to existing equipment or systems.

"One of the biggest hurdles to deploying intelligent building automation is getting Internet connectivity to where the building controls are located. Years ago no one thought about providing Internet connectivity anywhere near the HVAC systems." says Jim Sabol, COO of Proxicast. Because the LAN Cell 2 uses standard 3G cellular communications technology it can be deployed immediately almost anywhere without the need for additional wiring or changes to existing in-building networks.

"If a property management company owns 70 buildings, they could have one energy management control center managing all those buildings in an intelligent collective fashion. The people monitoring the systems could be virtually anywhere." said Jim Sabol. Using the LAN-Cell 2, multiple systems at each building can be connected to the Internet and remotely accessed via one high-speed 3G cellular account using any cellular service provider.

LAN-Cell 2 can provide Internet connectivity for the building's heating, ventilation and air conditioning systems as well as lighting, elevators, employee access and security systems. The LAN-Cell can also provide general Internet connectivity for maintenance personnel when they are on-site, including support for Virtual Private Network (VPN) access to secure corporate networks and for advanced services such as Voice over Internet Protocol (VoIP) telephony.

Many customers permanently install a LAN-Cell 2 at each building site; others deploy LAN-Cell units on a temporary basis

for set-up, troubleshooting or maintenance activities. The LAN-Cell 2 is available in a convenient, self-powered portable version called the Cell-PAK.

The LAN-Cell 2 features auto-fail-over among its 3G cellular, Ethernet and serial WAN ports. This means even if a building automation system already has some form of wired Internet service (DSL, Cable, T1, etc.) the LAN-Cell 2 offers a high-speed 3G cellular backup solution to provide redundancy to the wired Internet connection. The LAN-Cell also supports Dynamic DNS, enabling remote users to access the system without the need for costly static IP services.

Security is one critical aspect of why many customers choose the LAN-Cell 2. The LAN-Cell's NAT and advanced rule-based SPI firewall provide highly granular security and policy enforcement for all remote devices and users. The built-in 3DES and AES encryption-capable VPN client and server software eliminates the need to configure individual devices and extends secure corporate network to devices that cannot run VPN client software. The LAN-Cell 2 supports 5 simultaneous IPSec tunnels, military grade DES, 3DES, AES256 encryption, XAUTH, CMP / SCEP, X.509 / PKCS#12 digital certificates and more.

LAN-Cell 2 Connected Building Applications Include:

- Building Automation
- Energy Management
- HVAC Controls
- Remote Monitoring
- Sensors - Temperature, Humidity, etc.
- IP Enabled Security & Card Access
- Lighting Controls
- Elevators & Escalator Controls
- Data Acquisition
- Security Systems
- Video Surveillance
- Event Alarming & Notification
- Home & Multi-Tenant Automation & Security
- Solar & Other Sustainable Energy Systems
- Testing & Temporary Installations
- Industrial Automation
- Data Exchange between Foreign Systems
- Cellular Backup of Wired Internet Connections

About the LAN-Cell 2

Proxicast's LAN-Cell 2 is a high-performance, rugged, upgradeable, professional-grade 3G Cellular VPN Firewall Router that connects multiple Ethernet devices to a single cellular data account for primary or backup connectivity eliminating redundant cellular service for multiple devices.

The LAN-Cell 2 incorporates a built-in wireless 802.11 a/b/g WiFi access point, a 4 port 10/100 Ethernet Switch, a 10/100 Ethernet WAN port and a RS-232 serial port. Auto fail-over switching between the Cellular, WAN & serial ports enables the LAN-Cell 2 to combine both 3G cellular, DSL, cable, satellite and other networks to offer unprecedented speed, reliability and quality of service.

The LAN-Cell 2 3G router is cellular carrier independent via its 3G modem PC-Card architecture, and can easily be upgraded as newer and faster cellular technologies such as 4G, LTE and WiMAX become available. The LAN-Cell 2 supports all major worldwide cellular (wireless) carriers including Verizon Wireless, Sprint PCS, Alltel Wireless, AT&T Mobility, T-Mobile, Rogers, Telus, Bell Mobility, Telcel, Orange, Vodafone, O2, Telstra and others.

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About Proxicast

Proxicast designs and manufactures innovative, commercial-grade, secure wireless communications equipment that enables customers to increase productivity, enhance security, improve operational efficiency and reduce on-going communication costs. Proxicast focuses on wireless equipment for use with all major worldwide cellular standards including (CDMA) EV-DO Rev-A, EV-DO Rev-0, 1xRTT (1x) and (GSM) HSUPA, HSDPA, UMTS, W-CDMA, EDGE and GPRS. Some cellular carriers include including Verizon Wireless, Sprint PCS, Alltel Wireless, AT&T Mobility (Cingular), T-Mobile, Rogers, Telus, Bell Mobility, Telcel, Orange, Vodafone, O2, Telstra and others. In 2003, Proxicast introduced the revolutionary and award winning, LAN Cell Mobile Gateway, the original cellular router, which is in use at thousands of mobile and stationary application sites around the world. Proxicast is based north of Pittsburgh, Pennsylvania and is a privately-held corporation founded in 2000.

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