



## **Migrating from the LAN-Cell 2 to the LAN-Cell 3**

### **Tech Note LCTN3001**

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## This Tech Note applies to LAN-Cell models:

LAN-Cell 3: LC3-52U

Minimum LAN-Cell Firmware Revision: 5.1.0

## Document Revision History:

Date	Comments
Jan. 31, 2013	Updated for LAN-Cell 3 firmware v5.2.0
Apr. 2, 2012	First release

## Introduction

Proxicast's LAN-Cell 3 4G/3G cellular router is the next generation in our LAN-Cell family of cellular Ethernet/Wi-Fi security gateways. The LAN-Cell 3 builds on the features and success of earlier LAN-Cell models, however, the LAN-Cell 3 also represents a new platform for reliably delivering performance and security using the latest 4G technologies such as LTE and HSPA+. Although the LAN-Cell 3 shares many of the LAN-Cell 2's features (and introduces several new capabilities), the LAN-Cell firmware has been entirely re-engineered for the LAN-Cell 3.

This TechNote is designed to assist users who are familiar with the LAN-Cell 2 with the task of replicating the same configuration on the LAN-Cell 3.

## Usage Notes

- Because of the differences in the ProxiOS operating system on the LAN-Cell 2 and LAN-Cell 3, it is NOT possible to import a LAN-Cell 2 configuration into the LAN-Cell 3. You must build a new configuration file from scratch.
- Once a new configuration has been created for the LAN-Cell 3, it can be saved and then imported into other LAN-Cell 3 units.
- You may be able to transfer the cellular service on the LAN-Cell 2's PC-Card modem to a USB modem for the LAN-Cell 3. Contact your cellular service provider for more information and instructions.
- This TechNote covers the most common configuration setting tasks. See the [LAN-Cell 3 Users Guide](#) for more detailed information on configuring all of the LAN-Cell 3's settings.

## Hardware Differences

	LAN-Cell 2	LAN-Cell 3
<b>LAN Ports</b>	4 x 10/100 Mbps Ethernet	4 x 10/100/1000 Mbps Ethernet
<b>WAN Ports</b>	1 x 10/100 Mbps Ethernet	1 x 10/100/1000 Mbps Ethernet
<b>AUX Port</b>	1 RJ45 RS232	None
<b>Console Port</b>	1 RJ45 RS232	None
<b>Reset Button</b>	Hold for 10 sec to reset	Hold for 5 sec to reset
<b>Power LED</b>	Flashed during boot-up	Solid as soon as power is applied
<b>Status LED</b>	Power LED flashing reflects status	STAT LED flashes during boot-up
<b>Connection LED</b>	CELL LED: Dark = No Modem Green = No Connection Yellow = Connection	USB LED: Dark = No Modem Flashing = No Connection Solid = Connection
<b>LAN/WAN LEDS</b>	Green = 10 Mbps Yellow = 100 Mbps	Green = Link Status
<b>Wi-Fi LED</b>	WLAN = Green (enabled)	Wi-Fi = Green (enabled)
<b>Modem Slot</b>	PC-Card / ExpressCard	USB

## Configuration Mapping

The table below shows how to reach the LAN-Cell 3 screen which contains the same configuration settings as the LAN-Cell 2. The “>” character indicates a sub-menu or tab which must be selected.

Task	LAN-Cell 2	LAN-Cell 3
<b>Access the Web Configurator</b>	http://192.168.1.1 Password = 1234	http://192.168.1.1:8080 Username = admin Password = 1234
<b>Change Login Password</b>	MAINTENANCE > PASSWORD	ADMIN > MANAGEMENT
<b>Change Web Management Port #</b>	ADVANCED > REMOTE MGMT > WWW	ADMIN > MANAGEMENT
<b>Change LAN-Cell's LAN IP Address</b>	NETWORK > LAN	SETUP > LAN
<b>Change the LAN-Cell's DHCP Server</b>	NETWORK > LAN	SETUP > DHCP SERVER
<b>Configure the Cellular Modem</b>	WIRELESS > CELLULAR	SETUP > WAN  Note: The LAN-Cell 3 auto-detects and configures itself for many USB modems, so no user configuration is necessary unless you require a specific APN.
<b>Configure the Ethernet WAN</b>	NETWORK > WAN > WAN	SETUP > WAN
<b>Configure Fail-Over &amp; Load Balancing</b>	NETWORK > WAN > GENERAL	SETUP > WAN ADVANCED
<b>Keep-Alive / Continuity Check</b>	NETWORK > WAN > GENERAL	SETUP > WAN ADVANCED
<b>Configure the Firewall</b>	SECURITY > FIREWALL	SECURITY > FIREWALL  Note: The LAN-Cell 3 dynamically adds inbound firewall rules as necessary for forwarded ports. Outbound rules are defined in SECURITY > IP ACCESS CONTROL and SECURITY > OUTBOUND MAC ACL
<b>Configure Port Forwarding / Translation</b>	ADVANCED > NAT > PORT FORWARDING	APPLICATIONS > PORT FORWARDING  Note: The LAN-Cell 3 automatically adds the firewall rules as ports are forwarded. No firewall configuration is required.

Task	LAN-Cell 2	LAN-Cell 3
<b>Setup Dynamic DNS</b>	ADVANCED > DNS > DDNS	SETUP > DDNS  Note: Each LAN-Cell 3 has a unique “permanent” dynamic DNS name of: <i>serial#.proxidns.com</i> in addition to the DDNS name you may define.
<b>Enable Wi-Fi Radio</b>	WIRELESS > Wi-Fi	WIRELESS > BASIC
<b>Create VPN Rules</b>	SECURITY > VPN CONFIG	SECURITY > VPN/IPSEC
<b>View Device Logs</b>	LOGS > VIEW LOG	ADMIN > LOG
<b>Set Device Time</b>	MAINTENANCE > TIME & DATE	SETUP > TIME
<b>Configure SNMP</b>	ADVANCED > REMOTE MGMT > SNMP	ADMIN > SNMP
<b>Add a Static Route</b>	ADVANCED > STATIC ROUTE	SETUP > STATIC ROUTING
<b>Define Policy-based Routing</b>	ADVANCED > POLICY ROUTE	SETUP > STATIC ROUTING
<b>Schedule a Reboot</b>	Done via command line interface	ADMIN > MANAGEMENT
<b>Ping, Traceroute &amp; Modem Utilities</b>	Done via command line interface	ADMIN > UTILITIES
<b>Change Inactivity Timer</b>	MAINTENANCE > GENERAL	The LAN-Cell 3's web interface does not time-out.
<b>Save/Restore Device Configuration</b>	MAINTENANCE > BACKUP&RETORE	ADMIN > MANAGEMENT
<b>Upgrade Firmware</b>	MAINTENANCE > F/W UPLOAD	ADMIN > MANAGEMENT

The following LAN-Cell 2 features are not currently supported in the LAN-Cell 3 but may be added in a future firmware release. Check the Proxicast Technical Support web site for the latest LAN-Cell 3 firmware.

- X.509 Certificates
- E-Mailing of Logs
- VPN Wizard
- Cell-Sentry
- Factory Default Configuration Override

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