# Proxicast

# LAN-Cell 3

## Firmware Release Notes

### Release 5.2.0

Proxicast, LLC
312 Sunnyfield Drive, Suite 200
Glenshaw, PA 15116

1-877-77PROXI
1-877-777-7694
1-412-213-2477

Fax: 1-412-492-9386

E-Mail: support@proxicast.com
Internet: www.proxicast.com

January 31, 2013

# Proxicast LAN-Cell 3
# Firmware Release Notes

**Date: January 31, 2013**

## Version:

ProxiOS Version: 5.2.0

## Supported Hardware Platforms:

Proxicast LAN-Cell 3 (LC3-52U)

## Supported USB Modems:

Modems are listed by their original equipment manufacturer and model name. Model names used by cellular operators may be different.  Refer to the label on the modem or the documentation to determine if your modem is a rebranded version of a supported device.

Many USB modems from the same manufacturer have similar interfaces – unlisted modems may also function in the LAN-Cell 3 but have not yet been verified.

| | | |
|---|---|---|
| **3GO** | CGU-628 | E1692 |
| 3GO11 | CNU-680 | E169G |
| **Alcatel** | **D-Link** | E176G |
| OT-X020 | DWM-156 | E169U |
| X220L | DWM-157 | E170 |
| **A-Link** | DWR-510 | E172 |
| 3GU | **Dupont / Toshiba** | E1750 |
| **AMOI** | BC2703 | E1762 |
| H01/H01A | G450 | E176G |
| H02 | **EpiValley** | E177 |
| U2000 | SEC-8089 | E180 |
| **AnyData** | **Franklin Wireless** | E182E |
| ADU-500A | U770 (Sprint)[1] | E219 |
| ADU-510A | **Huawei** | E220 |
| ADU-520A | B970 | E226 |
| **Bandrich** | E122 | E270 |
| BandLuxe C120 | E1550 | E353 |
| BandLuxe C170 | E156 | E367 |
| BandLuxe C270 | E156G | E368 |
| BandLuxe M300LC | E160 | E600 |
| **BenQ** | E160E | E612 |
| U31 | E160G | E620 |
| **C-Motech** | E161 | E660A |
| CDU-680 | E169 | E800 |

| | | |
|---|---|---|
| E960 | **Option** | USB 306 |
| EC1260 | ICON 210 | USB 308 |
| EC156 | ICON 225 | **Simcom** |
| EC168C | ICON 401 | 5250 |
| EC169 | ICON 7.2 | **Solomon** |
| ET168 | GlobeSurfer HSUPA | S3Gm-660 |
| K1550 | GT Max 3.6 | **Sony Ericsson** |
| K3715 | Vodafone EasyBox | MD300 |
| K3765 | Vodafone K3760 | MD400 |
| K4505 | **Pantech** | **Toshiba** |
| K4511 | UM175 | G450 |
| T1731 | UML290 | **Vibo** |
| **Hummer** | **Pro-Link** | D200 |
| DTM5731 | PHS100 | **WinBest** |
| **iSonic** | **Qisda** | HSDC-02 |
| EDGE CARD | H21 | **ZTE** |
| **LG** | **Quanta** | K3565-Z |
| LDU-1900D | MDO 588 | MC2716 |
| **Maxon** | Q101 | MDC503UP |
| BP3 | Q110 | MDC505UP |
| BP3-EXT | Q111 | MDC525UP |
| **Neotel** | Q120 | MF620 |
| NeoGo | **Samsung** | MF622/MF622 v2 |
| **Nokia** | i9000 | MF626 |
| CS-11 | GT-S8500 | MF628 |
| CS-12 | SGH-Z810 | MF628+ |
| CS-15 | **Sierra Wireless** | MF631 |
| **Novatel Wireless** | AirCard 312U | MF633 |
| 4620L JetPack | AirCard 313U | MF636 |
| 5510L JetPack[2] | AirCard 330U | MF636+ |
| MC760 | AirCard 595U | MF637 |
| MC930D | AirCard 598U | MF638 |
| MC950D | AirCard 875U | MF668 |
| MC990D | AirCard 880U | MF668A |
| U679 | AirCard 881U | MF820 |
| U727 | Compass 885 | MH600HS |
| U760 | Compass 888 | MU351 |
| U998 | Compass 889 | |
| USB551L | USB 305 | |

[1] Modem requires configuration prior to use in the LAN-Cell 3.  See http://support.proxicast.com for more info.
[2] Modem does not support inbound initiated (remote access) connections.

# Change History:

**V5.2.0**

- Added support for Virgin Mobile MC760 modem (variant of Novatel U760).
- Added support for tethered operation of the Novatel 4620L MiFi JetPack.
- Increased frequency of signal strength display updates when USB modem does not have an active data connection.
- Allow $ ( ) characters in password.
- Increased maximum length of DDNS hostnames to 128 characters.
- Increased maximum IPSec SA lifetime to 86400 seconds.
- Moved scheduled system restart timer function from Setup>Time to Admin>Management screen.
- Changed default system time zone to pure UTC (was GMT).
- Fixed issue causing static routing / IPSec conflict.
- Fixed issue with SNMP MIB causing some values to be returned incorrectly.
- Fixed PPTP client issue causing PPTP client to drop unexpectedly.
- Force IPSec to lookup remote gateway in DNS before every connection attempt when remote gateway specified as FQDN host.
- Corrected issue causing incorrect number of VPN connections to be displayed on status panel.
- Enable WiFi client to connect to access points which have spaces in their SSID
- Fixed issue with outbound ACL that affected packet denials.
- Force number of ports specified in Port Forwarding rules to match between external and internal interfaces.


**V5.1.15**

- Added support for the Bell Canada variant of the Sierra Wireless AirCard U330 modem.
- Increased aggressiveness of USB connection watchdog to include full system restart after repeated lockup detection.
- Improved initial display of modem signal strength on boot-up.
- Fixed DNS Server issue with DHCP-enabled Wi-Fi Guest LAN clients.
- Fixed DHCP Server issue limiting number of assignable addresses.
- Exempt LAN-Cell management port from DMZ when changed from 8080.
- Persist interface status changes made via Status Panel buttons across system restarts.
- Prevent backup routes from taking precedence over user-defined static routes.
- Increased maximum size of log entries.
- Enable newly added Virtual Host rules by default.
- Fix display issue on VLAN screen.
- Changed Wi-Fi Client Mode wording on WAN interface status.

**V5.1.10**

- · Added software watchdog feature for USB-modems to detect reinitialization failures and other lock-up conditions.
- · Fixed issue where Scheduled Reboot was not occurring based on count-down timer.
- · Fixed compatibility issue with some Atheros-based Wi-Fi access points.
- · Increased security of httpd daemon.
- · Added support for D-Link modem: DWM157
- · Added support for Huawei modems: EC156, E353, E367, K4511, T1731
- · Added support for Novatel modems: U679 (LTE), U998
- · Added support for Sierra Wireless modems: 312U (HSPA+), 330U (LTE)
- · Added support for ZTE modems: MC2716 and MF668/MF668A

**V5.1.0**

Initial release to manufacturing.

## Known Issues:

1. When in WAN Wi-Fi Client mode, the new SSID is not used when target SSID is updated in the GUI.  Reboot to use the new target SSID.

2. When connecting a LAN-Cell 3 which has a private WAN IP address (e.g. 10.x.x.x from Verizon's LTE APN "vzwinternet" or AT&T's APN "broadband") to a remote IPSec VPN server, you must explicitly specify the Phase 1 Local and Remote ID values on both VPN devices; otherwise, the LAN-Cell 3 will send its WAN IP address as the default Local ID – this will not match the incoming IP address of the packet on the remote VPN Server.  IP Addresses as well as Strings (e.g. DNS, E-Mail) are supported for Phase 1 ID's.  If the LAN-Cell 3 has a private WAN IP address, it must also initiate all VPN connections with the remote VPN Server (enable Connection Initiation on the VPN rule popup screen).

3. The Pantech UML290 modem sometimes does not display signal strength when first initialized.  Disable and re-enable the USB interface to enable signal strength display.