

# Release Note

## Barionet100 V3.06

<b>Firmware name:</b>	Barionet100 V3.06		
<b>Released:</b>	23. June. 2014		
<b>Package name:</b>	barionet_kit_vb306_20140623.zip		
<b>Version overview:</b>	<b>Type</b>	<b>File Name</b>	<b>Version Date</b>
	Firmware	xpt.rom	VB3.06 20140623
	WEB UI	barionetweb.cob	V03.06 20140623
	PIC	picfw.hex	V01.77
	Setup		BA.02
	bcl	barionetbcl.cob	V1.23 20101129

# **1 Hardware Compatibility**

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This firmware is intended to run on only the Barionet 100.

## 2 New Features

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The following new features have been implemented in the Barionet v3.06 (since version 3.02):

#91.45. Additional TCP control connection provided to support two independent TCP command connections and subscriptions.

#91.55. Support of more than 63 bits Wiegand data added. This required an update to the PIC which now has version 01.77.

#91.56. Support added for XPORTs that have the new Lantronix MAC address range starting 00-80-A3.

### 3 Bugs Fixed In This Version

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The following bugs are fixed in this release:

- #91.41. BCL application serial tunnel was flooding network with SYSLOG message when log level 4 was enabled.
- #91.42. Inconsistent file name for the BCL application (see Major Modifications).
- #91.43. User can use his own WEB UI by including start.html in HTML documents.
- #91.49. Readme text file not readable on windows with notepad (LF only).
- #91.58. Some improvement to the tools and removal of spurious data in the SW zip file package.
- #66.18. DHCP does not renew after connection loss.
- #66.20. Wrong DHCPREQUEST message in DHCP renewal state.
- #66.22. TCP connection fails if source port is same as in previous connection.
- #66.24. No ACK on lost TCP segment
- #66.26. New MAC overwritten. Internal correction required to support #91.56.
- #091.59. Barix Link Errors on WEB UI. Changed as follows:

Status Barix	-> Barix Web site home page
Status Barionet	-> Barix Web site download page
Configuration Barix	-> Barix Web site home page
Configuration Barionet	-> Barix Web site download page
Barix hover gives	VISIT THE BARIX WEBSIT
Barionet hover gives	VISIT BARIX SUPPORT WEBSITE

## **4 Known Bugs/Restrictions**

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None.

## 5 Major Modifications

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### 5.1 BCL application "barionet" is renamed to "barionetbcl".

#91.42 introduces a change in the file structure of the package to avoid confusion.

The default BCL application for the barionet is serial\_io\_tunnel and the name of the cob file containing this application in "update\_rescue" folder is "barionetbcl.cob". The source code is provided in "bcldevkit" in the "barionetbcl" folder. Running script "\$bcl.sh barionetbcl" in this folder will create the "barionetbcl.cob" file.

Before this change, the application folder name was "barionet" and running "\$bcl.sh barionet" would create the "barionet.cob" file. The user had then to rename this file to "barionetbcl.cob" and copy it to "update\_rescue" before uploading.

### 5.2 Support for Lantronix new MAC address range.

#91.56 introduces support for both Lantronix XPORT MAC address ranges.

A MAC address consists of 6 bytes. The original Lantronix addressing range started with 00-2A-4A which defines the company component, the remaining bytes each unit. Lantronix will shortly run out of address space for the XPORT and have obtained a new range of addresses starting with 00-80-A3.

Unfortunately the XPORT only held the 3 least significant bytes in EEPROM. The 00-2A-4A component was hard coded. In future the full 6 bytes will be available in EEPROM.

A change in the software was therefore required to recognise and support both MAC address methods.



## 7 Legal Information

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