A picture containing drawing

Description automatically generated

ENCONNEX PDU Firmware Release Notes

V2.0.0.C

17 MAR 2021

Contents

[General 3](#_Toc66905367)

[Released Files 3](#_Toc66905368)

[Features Enabled 3](#_Toc66905369)

[Issues Addressed in 2.0.0.C 3](#_Toc66905370)

[Issues Addressed in 2.0.0.B 4](#_Toc66905371)

[Issues Addressed in 2.0.0.A 4](#_Toc66905372)

[Issues Addressed in 2.0.0.9 4](#_Toc66905373)

[Issues Addressed in 2.0.0.7 5](#_Toc66905374)

[Issues Addressed in 2.0.0.2 5](#_Toc66905375)

[Issues Addressed in 2.0.0.0 5](#_Toc66905376)

[Issues Addressed in 1.0.0.X 5](#_Toc66905377)

[Issues Addressed in 1.0.0.W 5](#_Toc66905378)

[Issues Addressed in 1.0.0.V 5](#_Toc66905379)

[Issues Addressed in 1.0.0.P 6](#_Toc66905380)

[Issues Addressed in 1.0.0.O 6](#_Toc66905381)

[Issues Addressed in 1.0.0.N 6](#_Toc66905382)

[Issues Addressed in 1.0.0.8 7](#_Toc66905383)

[Issues Addressed in 1.0.0.5 7](#_Toc66905384)

# General

Scope

This document is Release Notes for Enconnex PDU Firmware Version 2.0.0.C

Abbreviations and Acronyms

|  |  |
| --- | --- |
| PDU | Power Distribution Unit |
| GUI | Graphical User Interface |
| SSH | Secure shell |
| SNMP | Simple Network Management Protocol |
| SMTP | Simple Mail Transfer Protocol |
| LDAP | Lightweight Directory Access Protocol |
| CLI | Command Line Interface |
| Conf | Configuration |
| CB | Circuit Breaker |
| FTPS | File Transfer Protocol Secure |
| MAC | Media Access Control |
| NTP | Network Time Protocol |
| IP | Internet Protocol |
| ETH | Ethernet |
| SKU | Stock Keeping Unit |

# Released Files

Firmware File

* Enconnex.fw [MD5: 4628f6a4801f6fb7214e5844682a4770]

MIB File

* Enconnex\_1.02

# Features Enabled

# Issues Addressed in 2.0.0.C

* SKU Addition: ECX-SH1108000-A
* Factory commands update to include FT DEF
* Reset button features - Restart & Default settings
* FT commands write protection
* Italian Language support
* Oled loading optimization
* File system optimization update
* Energy data accuracy update
* Outlet numbering sequence
* Factory command update for ft mkfs
* redfish: by verifying <https://10.10.106.91/redfish/v1/PowerDistribution/1/PowerMeasurement/Loadsegment/1/OutletMeasurement> this url no energy,current,power factor is not seen for outlets when load connected
* Debug message observed in serial when querying the” pduTemperatureThCtrl” oid in SNMP

Supported Model:

* ECX-SH1108000-A

# Issues Addressed in 2.0.0.B

* GUI/SSH/CLI/SNMP: [ECX-WV1624120-R] Rated power should be 11.5 KW, instead showing 11KW in gui/ssh/cli/snmp

Supported Model: [*Same as 2.0.0.A*]

* ECX-WV1624120-R

# Issues Addressed in 2.0.0.A

* For zero CB’s SKU[ECX-WV1624120-R] **“Check Outlet via GUI, the number should have 36 pcs outlets, but shows 18 pcs outlets"**

Supported Model:

* ECX-WV1624120-R

# Issues Addressed in 2.0.0.9

* SB-327 Compliance – WebUI is SB327 complaint, requiring the user to set the password on first access
* Added CLI commands for UPDU support to traverse between UPDU Models

Supported Model:

* UPDU
  + ECX-SV1812120-7A
  + ECX-SV1812120-7B
  + ECX-SV1812120-7C
  + ECX-SV1812120-7D
  + ECX-SV1812120-7E
* ECX-MV1224040-A
* ECX-MV1224040-E
* ECX-MV1224040-P
* ECX-MV1730121-T

# Issues Addressed in 2.0.0.7

Supported Model

* ECX-MV1236060-E
* ECX-MV1736060-G

# Issues Addressed in 2.0.0.2

* New Flash chip support
* SKU Support Added Model 24 - ECX-WV1224080-P

# Issues Addressed in 2.0.0.0

* Added new sku ECX-MV1236060-P
* Added support to SKU - ECX-MV1636060-R

# Issues Addressed in 1.0.0.X

Supported Model

* ECX-WV1105010-A
* ECX-SV1220040-P
* ECX-SV1630060-R

# Issues Addressed in 1.0.0.W

Supported Model

* ECX SV1120040-N

# Issues Addressed in 1.0.0.V

* 2nd part outlets of CB will be off then turn on when related CB off physically. Eg: Outlet 1~6 and 31~36 belong to CB1, when CB1 off, the outlet 31~36 will be off then turn on
* Outlets status shows off in GUI for 0cb.
* junk values are being displayed for slave power data in GUI
* NMC software reset issue.
* ECX-WV1224120-E outlet mapping

# Issues Addressed in 1.0.0.P

* Issues addressed for Model - 1,2,3,16,20
* Some outlets led are always off
* Outlet arrangement is not correct.
* Alarm not reflect on related outlet.
* webUI/SNMP/Serial/SSH: The phase current can’t get the current value when add load to CB1.
* Updated this issue, when add load to relay1 or 4, the phase current can get correct value. When add load on relay 2,3,5,6, phase current value is 0.
* webUI/SNMP/Serial/SSH: Phase current is not correct.
* According to the wiring spec, although model 20 is Wye, but the Neutral Line is hang, so its phase current and voltage should be L1-L2,L2-L3,L3-L1.
* webUI: In develop tool, the phase should be L1-L2, L2-L3,L3-L1
* SNMP: pdug1InputPhaseVoltageMeasType is phase 1 to N, phase 2 to N, phase 3 to N, Should be Phase 1 to phase 2, phase 2 to phase 3, phase 3 to phase 1
* SNMP: pdug1GroupVoltageMeasType is phase 1 to N, phase 2 to N, phase 3 to N,
* Should be Phase 1 to phase 2, phase 2 to phase 3, phase 3 to phase 1
* Switch outlet not reflect on related outlets

Supported Model

# Issues Addressed in 1.0.0.O

* Alarm not reflects on related outlet.
* webUI/SNMP/Serial/SSH: Phase current is not correct.
* webUI: In develop tool, the phase should be L1-L2, L2-L3,L3-L1
* SNMP: pdug1InputPhaseVoltageMeasType is phase 1 to N, phase 2 to N, phase 3 to N, Should be Phase 1 to phase 2, phase 2 to phase 3, phase 3 to phase 1
* SNMP: pdug1GroupVoltageMeasType is phase 1 to N, phase 2 to N, phase 3 to N, Should be Phase 1 to phase 2, phase 2 to phase 3, phase 3 to phase 1

Supported Model

* ECX-WV1824120-L (Model 16)
* ECX-WV1730060-G (Model 20)

# Issues Addressed in 1.0.0.N

* webUI/SNMP/Serial/SSH: The phase current can’t get the current value when add load to CB1
* RE-47: GUI: Alarm not reflect on right outlet
* Some outlets led are always off
* Outlet arrangement is not correct.

Supported Model

* Model 10: ECX-MV1232060-E
* Model 12: ECX-MV1730060-G
* Model 19: ECX-MV1824120-L

# Issues Addressed in 1.0.0.8

* CB Voltage on dashboard is not correct Should be L1,L2,L3,L1,L2,L3.
* The value of pdug5ConfigFtps always reads ‘on’ even the ftps is disabled in webUI.
* SNMP: Bad value shown when set pdug5ConfigIPv4IPv6Switch value as 2 or 3, Which description shows can be set.
* SNMP: use SNMP set Group name more than 10 characters, '$' is appended at the end of the Breaker name.
* SNMP: Will loss one Breaker if set the two or more Group name same and more than 10 characters using SNMP. Btw, webgui setting this value is ok.
* SMTP: Sending SMTP Test Message tosusie.wang@cisww.com using server cisww-com.mail.protection.outlook.com, it can get test email. But failed message shown in event log.
* GUI: All is still checked when if check all then uncheck some options in Event Notifications.
* GUI: The time has 13hours difference after set the timezone to UTC+5:30

Supported Model

* ECX-WV1724120-G
* ECX-WV1724121-T
* ECX-WH1208000-E
* ECX-SV1212120-E
* ECX-SV1212121-N

# Issues Addressed in 1.0.0.5

* Enable SKU Information into baseline
* Create Model-Entries
* MIB Value Mapping
* SNMP/SSH/Serial OID and mapping
* Web UI changes

Supported Model

* ECX-WV1224120-E
* ECX-SV1812120-K
* ECX-SV1712120-T
* ECX-SV1212120-E
* ECX-SV1212121-P
* ECX-WV1730061-G