



# Linux Kernel 4.x.x Driver for Multiport Serial PCI Express and Universal PCI Boards Release Notes

<b>Version: v4.2</b>	<b>Build: 220722176</b>
<b>Release Date: Jan 17, 2023</b>	

## Applicable Products

CP-102E/102EL Series, CP-102N Series, CP-102U/102UL Series, CP-104EL-A Series, CP-104N Series, CP-104UL/104JU Series, CP-112N Series, CP-112UL Series, CP-114EL Series, CP-114N Series, CP-114UL Series, CP-116E-A, CP-118E-A-I/138E-A-I Series, CP-118EL-A, CP-118U/138U Series, CP-132EL Series, CP-132N Series, CP-132UL Series, CP-134EL-A-I Series, CP-134N Series, CP-134U Series, CP-168EL-A, CP-168U Series, POS-104UL Series

## Supported Operating Systems

Linux Kernel 4.x

## New Features

- Adds support for Mini PCIe serial boards:  
CP-102N, CP-132N, CP-104N, CP-134N, and CP-114N Series.

## Enhancements

N/A

## Bugs Fixed

- A compilation error where 3 arguments were passed but only 2 were used in Kylin Linux.
- A compilation error in RHEL 8.5 system caused by the kernel changing the type and name definition `task_struct::state`.

## Changes

N/A

## Notes

N/A



<b>Version: v4.1</b>	<b>Build: 21102516</b>
<b>Release Date: Oct 25, 2021</b>	

### Applicable Products

CP-102E/102EL Series, CP-114EL Series, CP-104UL/104JU Series, CP-168U Series, CP-602U-I Series, CP-116E-A, CP-132N Series, CP-104EL-A Series, CP-114N Series, CP-132UL Series, CP-134N Series, CP-168EL-A, CP-134EL-A-I Series, CP-602E-I Series, CP-132EL Series, CP-118EL-A, CP-118E-A-I/138E-A-I Series, POS-104UL Series, CP-102N Series, CP-114UL Series, CP-118U/138U Series, CP-102U/102UL Series, CP-112UL Series, CP-134U Series, CP-104N Series

### Supported Operating Systems

Linux Kernel 4.x

### New Features

- Supports x86/x64 Arm platform.

### Enhancements

N/A

### Bugs Fixed

- Baud rate mismatches when built-in kernel module "8250\_moxa" is running.
- Compiling the driver in a RHEL8 system returns the error "access\_ok passed 3 arguments but takes just 2".
- Driver cannot be loaded by rc.mxser in a RHEL8 system.
- The muestty command could not set the device's serial interface type to RS-232.
- The tty ports in the device cannot be scanned by third-party utilities implemented using the QT serial ports library (e.g., CuteCom).
- Compile error "File is in the wrong format" when compiling utilities.
- Compile error "ASYNCB\_ undeclared" in Debian 9 (kernel 4.9).

### Changes

- Downgrades software license from GPLv3 to GPLv2.
- Avoids using mxinstall when compiling utilities that are not supported in the Arm platform.

### Notes

N/A



<b>Version: v4.0</b>	<b>Build: 19090215</b>
<b>Release Date: Dec 31, 2019</b>	

### **Applicable Products**

CP-118E-A-I/138E-A-I Series, CP-134EL-A-I Series, CP-116E-A, CP-102E/102EL Series, CP-104EL-A Series, CP-168EL-A, CP-132EL Series, CP-114EL Series, CP-118EL-A, CP-102U/102UL Series, CP-104UL/104JU Series, CP-168U Series, POS-104UL Series, CP-132UL Series, CP-134U Series, CP-112UL Series, CP-114UL Series, CP-118U/138U Series

### **Supported Operating Systems**

Linux Kernel 4.x

### **New Features**

- First release.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **Changes**

N/A

### **Notes**

N/A