



Driver for UPort 1200/1400/1600/1200-G2/1400-G2/1600-8-G2 Series (Linux kernel 5.x) Release Notes

Version: v5.3	Build: 25100216
Release Date: Oct 02, 2025	

Applicable Products

UPort 1200-G2 Series, UPort 1200/1400/1600 Series, UPort 1400-G2 Series, UPort 1600-8-G2 Series

Supported Operating Systems

Linux Kernel 5.x

New Features

- UPort G2 Series supports Auto COM Preserver function with FIFO and interface settings.

Enhancements

N/A

Bugs Fixed

- Compile error in Kylin V10 SP1 (kernel 5.10).
- Compile error in CentOS Stream 9 (kernel 5.14).
- Compile error in RHEL9 (kernel 5.14).
- Compile error in AlmaLinux 9.5 (kernel 5.14).
- Device firmware version number does not display minor version information.
- The "make remove" command needs to report "failed to find file" error.

Changes

N/A

Notes

- Tested Linux kernel and distributions:
(Up to Kernel 5.19.0)
 - Moxa Industrial Linux 3.0 (ARM) (kernel 5.10.0)
 - Ubuntu 22.10 (kernel 5.19.0)
 - Ubuntu 19.10_vm (kernel 5.0.0)
 - Fedora 36 (kernel 5.17.5)
 - Fedora 35 (kernel 5.14.10)
 - Fedora 33 (kernel 5.8.15)
 - Debian 11 (kernel 5.10.0)
 - CentOS Stream 9_vm (kernel 5.14.0)
 - OpenSuse Leap 15.5 (kernel 5.14.21)
 - OpenSuse Leap 15.5_vm (kernel 5.14.21)
 - OpenSuse Leap 15.3 (kernel 5.3.18)
 - Ubuntu Kylin (ARM) (kernel 5.11.0)
 - Rocky Linux 9.6 (Kernel 5.14.0)



Version: v5.2	Build: 23091818
Release Date: Oct 13, 2023	

Applicable Products

UPort 1200-G2 Series, UPort 1200/1400/1600 Series, UPort 1400-G2 Series, UPort 1600-8-G2 Series

Supported Operating Systems

Linux Kernel 5.x

New Features

- Supports UPort 1200-G2/1400-G2/1600-8-G2 Series.
- Supports MU250U/MU450U/MU850U UART.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

Tested for the following Linux versions/distributions:

Kernel 5.19.0

Ubuntu 22.10 (kernel 5.19.0)

Ubuntu 19.10_vm (kernel 5.0.0)

Fedora 36 (kernel 5.17.5)

Fedora 35 (kernel 5.14.10)

Fedora 33 (kernel 5.8.15)

Debian 11 (kernel 5.10.0)

CentOS Stream 9_vm (kernel 5.14.0)

OpenSuse Leap 15.5 (kernel 5.14.21)

OpenSuse Leap 15.5_vm (kernel 5.14.21)

OpenSuse Leap 15.3 (kernel 5.3.18)

Ubuntu Kylin (Arm) (kernel 5.11.0)

Moxa Industrial Linux 3.0 (Arm) (kernel 5.10.0)



Version: v5.1	Build: 21111116
Release Date: Nov 11, 2021	

Applicable Products

UPort 1200/1400/1600 Series

Supported Operating Systems

Linux Kernel 5.x

New Features

- Now supports Arm 32-bit/64-bit platforms.
- Supports static symbolic tty name by COM Preserver function.

Enhancements

N/A

Bugs Fixed

- Bugs related to the `setserial` command on UPort 1200.
- Issue with `ioctl MOXA_SET_INTERFACE` always returning `EINVAL`.
- A kernel crash issue when UPort 1200 is removed from the system.
- A compiler error in Fedora 31 (kernel 5.3.7).
- A compiler error in Fedora 35 (kernel 5.14.7).

Changes

- Downgraded software license from GPLv3 to GPLv2.

Notes

- Linux distributions tested:
 - Kernel 5.11.12
 - Ubuntu 18.04 (5.4.0)
 - Ubuntu 20.04 (5.4.0)
 - Ubuntu 21.04 (5.11.0)
 - Fedora 31 (5.3.7)
 - Fedora 34 (5.11.12)
 - Opensuse15.3 (5.3.18)
 - Raspberry Pi (Arm 32-bit) (5.10.63)
 - Ubuntu 21.04 (Arm 64-bit) (5.11.0)
 - Ubuntu 20.04 (Arm 32-bit) (5.4.0)
 - Fedora 33 (Arm 64-bit) (5.8.15)
 - Ubuntu Kylin (5.11.0)



Version: v5.0	Build: 19061716
Release Date: Jun 17, 2019	

Applicable Products

UPort 1200/1400/1600 Series

Supported Operating Systems

Linux Kernel 5.x

New Features

- Supports Raspbian Jessie or later for Raspberry Pi 2/3.
- Supports Linux ttyUSBx naming. ttyMXUSBx legacy naming is still supported as a symbolic link.

Enhancements

- Supports disabling FIFO through the setserial utility.

Bugs Fixed

- Read/write issue that was caused by baud rate setting in Fedora 25 (Kernel 4.13.16).
- The modem status did not correct after opening ports

Changes

N/A

Notes

N/A