

Macrolink VMEbus & CompactPCI Drivers

Revised
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455001 MVC async serial port driver for SunOS 4

SunOS 4.1.4 - 4.1.1 (Solaris 1.x)

- Uses MVC's DMA control for both read and write (optional PIO mode)
- Matches the standard Sun embedded serial port functions
- STREAMS compliant.

455004 MVS/200 and MVS/216 SCSI-2 SCSI adapter driver for SunOS 4

SunOS 4.1.4 - 4.1.1 (Solaris 1.x)

- Conforms to SCSI (SunSoft's standard internal SCSI Driver interface)
- Supports all of SunSoft SCSI Target drivers
- Supports Common Command Set (CCS) devices: Disk, Tape, CD-ROM, Printer, Scanner, etc.
- Supports board level request queuing - as the system gets busy, the driver operates more efficiently
- MVS/216 supports SCSI-2 Wide, with 16 SCSI IDs per bus.

455004 MVS/200 and MVS/216 SCSI-2 MSIO driver for SunOS 4

SunOS 4.1.4 - 4.1.1 (Solaris 1.x)

- Conforms to MSIO (**Macrolink SCSI Input Output**)
- Supports Common Command Set (CCS) devices: Disk, Tape
- Supports specific Tape drives (Exabyte 8200, 8500, 8505, Archive Viper 60, 120, 150, 2525)
- Supports board level request queuing - as the system gets busy, the driver operates more efficiently
- Contains complete source of SCSI disk and tape drivers as well as the SCSI bus adapter driver
- MVS/216 supports SCSI-2 Wide, with 16 SCSI IDs per bus.

455004 MVS/200 SCSI-2 boot loader support for SunOS 4

SunOS 4.1.4 - 4.1.1 on the Themis 2LC, 2SE and 10 HS only.

455007 MVC async serial port driver for WxWorks

VxWorks 5.3 - 5.0

- On-board DMA control for both write and read operations.
- Functionality matches the VxWorks driver for the embedded serial ports.

455008 MVS/200 and MVS/216 SCSI-2 disk driver for VxWorks

VxWorks 5.2 - 5.0

- Supports Generic Disk and Tape drives
- On-board DMA engines for minimum host overhead
- SCSI Target mode for Processor to Processor applications
- MVS/216 support SCSI-2 Wide, with 16 SCSI IDs per bus.
- Does not support Tagged Queuing on the MVS/216.

455010 MVS/200 and MVS/216 SCSA SCSI-2 adapter driver for Solaris 2

Solaris 2.6 - 2.3

- Conforms to SCSA (SunSoft's standard SCSI Driver interface)
- Supports all of SunSoft SCSA Target SCSI drivers
- Supports Common Command Set (CCS) devices: Disk, Tape, CD-ROM, Printer, Scanner, etc.
- MVS/216 supports SCSI-2 Wide, with 16 SCSI IDs per bus.
- MVS/216 Supports Tag Queuing - overlaps up to 15 concurrent operations to each SCSI device.
- Uses on-board DMA engines for minimum host overhead.
- MVS/216 can operate as D32 BLT master in compatible system.
- Does not support system boot from disk on MVS/200 or MVS/216.
- Note: SCSI Floppy is not supported in the standard Sun release.

455011 MVC async serial port driver for Solaris 2

Solaris 2.6 - 2.2

- On-board DMA control for both write and read operations
- On-board special character handling
- Supports same functionality as Solaris embedded serial port async driver.
- Does not support MVC printer port.

455013 MVC async serial port driver for HP-UX 9

HP-UX 9.07 - 9.05

- On-board DMA control for write operations
- Optimized for raw mode machine-to-machine operation.
- Does not support termio ISIG functionality.
- Does not support MVC printer port.

455020 MVS/216 SCSI-2 Fast & Wide driver for HP-UX 9

HP-UX 9.07 - 9.05

- Conforms to HP-UX 9 SCSI host adapter driver interface conventions.
- Supports Common Command Set (CCS) Disks, tapes, CD-ROM, etc.
- Uses on-board DMA engines for minimum host overhead.
- Supports SCSI-2 Wide, with 16 SCSI IDs per bus.
- Does not support system boot from disk on MVS/216.
- Does not support SCSI device Tagged Queuing feature.

455022 MVCP Software Development Kit (SDK) for VxWorks

VxWorks 5.2

- Contains example MVCP onboard software demo application.
- Contains example VxWorks driver to download and run demo application.
- Routines to support VME DMA, timer, and diagnostic log messages.
- Example software to exercise board indicators, VME DMA and ESCC8 chip data paths.
- Example software to loop back an internal data pattern through all ports in ASYNC, BiSync, and HDLC modes.

455023 MVCQuick Software Development Kit (SDK) for VxWorks

VxWorks 5.2

- Contains example MVCQuick on-board software demo application.
- Contains VxWorks driver to download MVCQuick firmware and interface at port level to downloaded demo application.
- Routines to support VME DMA, timer, and diagnostic log messages.
- Example downloaded software to exercise board indicators, VME DMA and QUICC chip data paths.
- Example software to send/receive data in HDLC and Async mode.
- Includes an LABP demo.

455025 MVC tty Driver for HP-UX 10

HP-UX 10.20

- On-board DMA control for write operations
- Optimized for raw mode machine-to-machine operation.
- Does not support termio ISIG functionality.
- Does not support MVC printer port.

455026 MVS316 Ultra SCSI host adapter driver for Solaris 2

Solaris 2.6 - 2.5

- Conforms to SCSA (Sun's standard SCSI driver/host adapter interface)
- Supports all built-in Solaris SCSI device drivers as well as other SCSA compliant SCSI device drivers.
- Supports tagged queuing with up to 15 tags in progress per LUN.
- Has configuration file support for all MVS316 hardware features.
- SCSI Initiator mode only. Does not support emulation of a SCSI target device.

455027 MVS316 Ultra SCSI host adapter driver for VxWorks

VxWorks 5.2

- Supports standard VxWorks SCSI libraries.
- Supports generic CCS disks and tapes, plus EXB-8505 tape.
- Does not support SCSI target IDs larger than 7 on VxWorks 5.2.
- SCSI Initiator mode only. Does not support emulation of a SCSI target device.

455031 MVCQ BSP

VxWorks 5.2 - 5.4

- VxWorks board support package only, no communications demo

455203 MVCS tty Driver for Solaris 2

Solaris 2.9 - 2.4

- Supports all standard Sun asynchronous serial port driver functionality except split baud rates.
- STREAMS compliant.
- Supports modem control and hardware flow control hardware features.
- Has ioctl interface for direct selection of baud rates higher than 38400bps.
- Has configuration file card level support for nonstandard UART base clock rates.
- Has configuration file port level support for changing default port configuration (termio c_cflag only).
- Has configuration file port level support for re-mapping termio baud rate selects to any supported rate.

455206 M CCS Driver for VxWorks

VxWorks 5.2 - 5.3

- Supports tyLib interface for X86 platforms

455209 M CCS Driver for Solaris

Solaris 2.6 - 2.4

- Supports all standard Sun asynchronous serial port driver functionality except split baud rates.
- STREAMS compliant.
- Supports modem control and hardware flow control hardware features.
- Has ioctl interface for direct selection of baud rates higher than 38400bps.
- Has configuration file card level support for nonstandard UART base clock rates.
- Has configuration file port level support for changing default port configuration (termio c_cflag only).
- Has configuration file port level support for re-mapping termio baud rate selects to any supported rate.

455210 MCCR Driver for Solaris

Solaris 2.6 - 2.4

- Supports all standard Sun asynchronous serial port driver functionality except split baud rates.
- STREAMS compliant.
- Supports modem control and hardware flow control hardware features.
- Has ioctl interface for direct selection of baud rates higher than 38400bps.
- Has configuration file card level support for nonstandard UART base clock rates.
- Has configuration file port level support for changing default port configuration (termio c_cflag only).
- Has configuration file port level support for re-mapping termio baud rate selects to any supported rate.

455212 MCCR Driver for VxWorks

VxWorks 5.2 - 5.3

- Supports tyLib interface for X86 platforms

455213 MVCS async serial port driver for VxWorks

VxWorks 5.3 -- 5.2

- Supports all standard VxWorks asynchronous serial port driver functionality except split baud rates.
- Supports all standard tty ioctls, including OPT_TERMINAL, FIOSETOPTIONS, and FIOBAUDRATE.
- Port configuration is performed dynamically when created.
- Supports flow control and RS485

455219 MVS316 Driver for VxWorks

VxWorks 5.4 - 5.5

- Low level device driver that directly interfaces with Vxworks file system drivers dosFsLib, tapeFsLib, cdromFsLib and rawFsLib.
- Supports SCSI IDs up to 15
- No support for tagged queuing

455221 MVCS Driver for VxWorks

VxWorks 5.4 - 5.5

- "SIO" style driver that interfaces to the new VxWorks ttyLib.
- Supports all SIO IO controls as well as standard TTY codes supported in 5.2 driver

455224 MCCR Driver for VxWorks

VxWorks 5.4 - 5.5

- "SIO" style driver that interfaces to the new VxWorks ttyLib.
- Supports all SIO IO controls as well as standard TTY codes supported in 5.2 driver

455226 MCCS Driver for Windows

Windows 2000, Windows XP, and Windows Server 2003

- Plug-N-Play driver supports Windows 2000, Windows XP, and Windows Server 2003.
- Supports all Windows Input/Output control codes for serial devices.
- Includes utilities to configure and test serial ports.

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