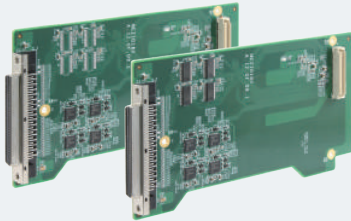


**MEZIO™**



## MezIO-C180/MezIO-C181 8-port RS-232/ 422/ 485 MezIO™ Module



### Key Features

- 4x RS-232/422/485 multi-mode ports
- 4x RS-232 ports (C180) or 4x RS-422/485 ports (C181)
- Up to 921.6 Kbps baud rate
- BIOS-configurable mode/termination settings
- Supports Windows 7/8/8.1/10
- SCSI-II 68-pin connector

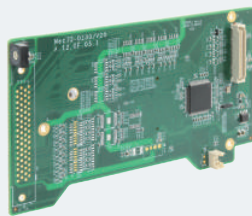
### Specifications

	MezIO-C180	MezIO-C181
# of Port	4x RS-232/ 422/ 485 4x RS-232	4x RS-232/ 422/ 485 4x RS-422/ 485
Baud Rate	50 bps to 921600 bps	
FIFO	256-byte TX and RX FIFOs	
ESD Protection	8 kV	
Interface Signals	RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND RS-422: TxD+, TxD-, RxD+, RxD-, GND RS-485: Data+, Data-, GND	
Connector	68-pin SCSI-II female connector	
OS Support	Windows 7/ 8/ 8.1/ 10 and Linux kernel 2.6.32 or later	

### Ordering Information

Model No.	Product Description
<b>MezIO-C180-50</b>	4x RS-232/ 422/ 485 and 4x RS-232 ports MezIO™ module, for Nuvo-7000/ Nuvo-5000/ POC-500/ POC-300 Series
<b>MezIO-C180-12</b>	4x RS-232/ 422/ 485 and 4x RS-232 ports MezIO™ module, for POC-120 series
<b>MezIO-C181-50</b>	4x RS-232/ 422/ 485 and 4x RS-422/ 485 ports MezIO™ module, for Nuvo-7000/ Nuvo-5000/ POC-500/ POC-300 Series
<b>MezIO-C181-12</b>	4x RS-232/ 422/ 485 and 4x RS-422/ 485 ports MezIO™ module, for POC-120 series
<b>Cbl-568M-8DB9M-50CM</b>	SCSI-68(M) to 8x DB-9(M) cable, 50 cm

## MezIO-V20 16-mode Ignition Power Control MezIO™ Module



### Key Features

- Ignition power control with 16 predefined on/ off delay modes
- Ultra-low 12 mA ignition-off standby power
- Advanced of ignition control features
  - Low-battery protection
  - Guarded power-on/ power-off delay duration
  - System hard-off
  - BIOS POST check
- Supports 12V DC (small vehicle) and 24V DC (bus/ truck) vehicles

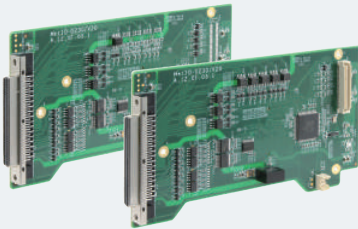
### Ordering Information

Model No.	Product Description
<b>MezIO-V20-EP</b> (Nuvo-7160GC/ Nuvo-7164GC/ Nuvo-7000E/P Nuvo-7000DE/ Nuvo-5026E/ Nuvo-5000E/P Nuvo-5095GC)	16-mode ignition power control MezIO™ module for in-vehicle usage
<b>MezIO-V20</b> (POC-500/ POC-300/ Nuvo-7000LP/ Nuvo-5000LP)	16-mode ignition power control and 1x mini-PCIe socket MezIO™ module for in-vehicle usage

**MEZIO™**



## MezIO-D230/MezIO-D220 32/ 16-CH Isolated Digital I/O MezIO™ Module



### Key Features

- 16-CH isolated DI (D230) or 8-ch isolated DI (D220)
- 16-CH isolated DO (D230) or 8-ch isolated DO (D220)
- 2500 Vrms isolation voltage
- Up to 24V DC operation for DI and DO
- Up to 500 mA sink current on DO channel
- SCSI-II 68-pin connector

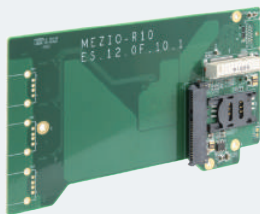
### Specifications

	MezIO-D230	MezIO-D220
<b>Isolated Digital Input</b>		
# of Port	16	8
Logic Level	Logic high: 5 to 24 VDC ; Logic low: 0 to 1.5 VDC	
Isolation Voltage	2500 Vrms	
Operation Mode	Polling, COS	
<b>Isolated Digital Output</b>		
# of Channel	16	8
Operation Voltage	Up to 24 VDC	
Sink Current	500 mA for each channel (100% duty)	
Isolation Voltage	2500 Vrms	
Operation Mode	Polling, COS	

### Ordering Information

Model No.	Product Description
<i>MezIO-D230-50</i>	16-CH isolated DI and 16-CH isolated DO MezIO™ module, for Nuvo-7000/ Nuvo-5000/ POC-500/ POC-300 Series
<i>MezIO-D230-12</i>	16-CH isolated DI and 16-CH isolated DO MezIO™ module, for POC-120 series
<i>MezIO-D220-50</i>	8-CH isolated DI and 8-CH isolated DO MezIO™ module, for Nuvo-7000/ Nuvo-5000/ POC-500/ POC-300 Series
<i>MezIO-D220-12</i>	8-CH isolated DI and 8-CH isolated DO MezIO™ module, for POC-120 series
<i>Cbl-S68M-S68M-100CM</i>	SCSI-68(M) to SCSI-68(M) cable, 100 cm
<i>TB-10</i>	Terminal board with 68-pin SCSI-II female connector and 68-pole terminal block

## MezIO-R10 2.5" SATA HDD/ SSD and Mini-PCIe Accommodation MezIO™ Module



### Key Features

- Accommodates one 2.5" SATA HDD/ SSD
- One full-size mini-PCIe port with SIM socket

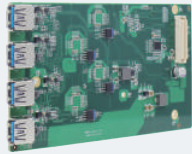
### Ordering Information

Model No.	Product Description
<i>MezIO-R10</i> (for POC-120MZ only)	2.5" SATA HDD/ SSD and mPCIe accommodation MezIO™ module
<i>MezIO-R11</i> (for POC-500/ POC-300 series only)	MezIO™ module with 2.5" SATA HDD/SSD
<i>MezIO-R12</i> (for POC-500/ POC-300 series only)	MezIO™ module with SATA port for 2.5" HDD/ SSD, 4-CH isolated DI and 4-CH isolated DO

**MEZIO™**



**MezIO-U4** 4-Port USB3.0 MezIO™ Module



**Key Features**

- 4 x USB3.0 ports by independent Renesas μPD720202 Host Controllers
- Up to 5 Gbps each port (MezIO-U4-50)
- Support up to 900 mA per port

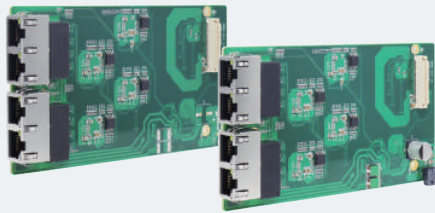
**Specifications**

	MezIO-U4-30	MezIO-U4-50
USB Ports	4x USB3.0 ports, compatible with USB 2.0/1.1/1.0	
USB Controller	2 x Renesas μPD720202 Host Controllers	4 x Renesas μPD720202 Host Controllers
USB Connectors	4x USB3.0 Type-A connectors	
USB Per-Port Current Limit	900mA	
Interface Signals	5 Gbps shared by two ports	5 Gbps for each port

**Ordering Information**

Model No.	Product Description
MezIO-U4-30	4-port USB3.0 MezIO™ module for POC-500 series and POC-300 series
MezIO-U4-50	4-port USB3.0 MezIO™ module for Nuvo-7000 series and Nuvo-5000 series

**MezIO- G4P/MezIO -G4** 4-Port GbE with 802.3at PoE+ MezIO™ Module



**Key Features**

- 4x gigabit Ethernet ports
- Compliant with 802.3at PoE+ (MezIO-G4P)
- Supporting 9.5 KB jumbo frame

**Specifications**

	MezIO - G4P	MezIO - G4
Gigabit Ethernet Port	4x GigE ports by 4x Intel® I210 controllers, supporting 9.5 kB jumbo frame	
PoE Capability	Compliant with IEEE 802.3at-2009 (PoE+), each port delivers up to 25.5 W of power	-
Cable Requirement	CAT-5e or CAT-6 cable, 100 meters maximum	

**Ordering Information**

Model No.	Product Description
MezIO - G4P	4-Port GbE with 802.3at PoE+ MezIO™ module for Nuvo-7000 series and Nuvo-5000 series
MezIO - G4	4-Port GbE MezIO™ module for Nuvo-7000 series and Nuvo-5000 series

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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