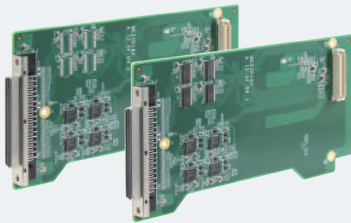


**MEZIO™**



## 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

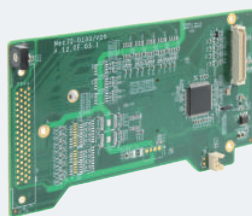
|                   | MezIO-C180                                                                                                         | MezIO-C181                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| # of Port         | 4x RS-232/ 422/ 485<br>4x RS-232                                                                                   | 4x RS-232/ 422/ 485<br>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<br>RS-422: TxD+, TxD-, RxD+, RxD-, GND<br>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-S68M-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

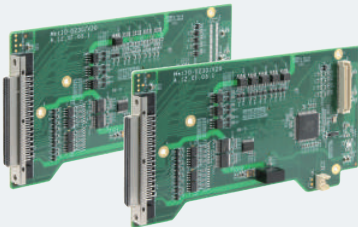
### Ordering Information

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

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## 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

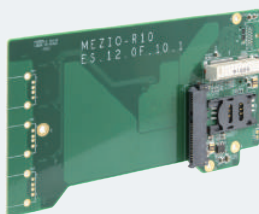
### Specifications

|                         | MezIO-D230                                        | MezIO-D220 |
|-------------------------|---------------------------------------------------|------------|
| Isolated Digital Input  |                                                   |            |
| # 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                                      |            |
| Isolated Digital Output |                                                   |            |
| # 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                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------|
| <b>MezIO-D230-50</b>       | 16-CH isolated DI and 16-CH isolated DO MezIO™ module, for Nuvo-7000/ Nuvo-5000/ POC-500/ POC-300 Series |
| <b>MezIO-D230-12</b>       | 16-CH isolated DI and 16-CH isolated DO MezIO™ module, for POC-120 series                                |
| <b>MezIO-D220-50</b>       | 8-CH isolated DI and 8-CH isolated DO MezIO™ module, for Nuvo-7000/ Nuvo-5000/ POC-500/ POC-300 Series   |
| <b>MezIO-D220-12</b>       | 8-CH isolated DI and 8-CH isolated DO MezIO™ module, for POC-120 series                                  |
| <b>Cbl-S68M-S68M-100CM</b> | SCSI-68(M) to SCSI-68(M) cable, 100 cm                                                                   |
| <b>TB-10</b>               | Terminal board with 68-pin SCSI-II female connector and 68-pole terminal block                           |

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



### Key Features

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

### Ordering Information

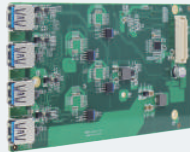
| Model No.                                              | Product Description                                                                   |
|--------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>MezIO-R10</b><br>(for POC-120MZ only)               | 2.5" SATA HDD/ SSD and mPCle accommodation MezIO™ module                              |
| <b>MezIO-R11</b><br>(for POC-500/ POC-300 series only) | MezIO™ module with 2.5" SATA HDD/SSD                                                  |
| <b>MezIO-R12</b><br>(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  $\mu$ PD720202 Host Controllers
- Up to 5 Gbps each port (MezIO-U4-50)
- Support up to 900 mA per port

### Specifications

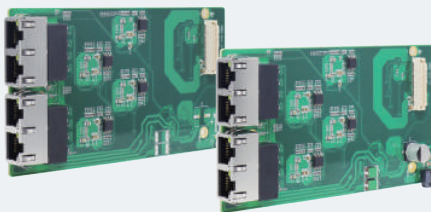
|                            | MezIO-U4-30                                      | MezIO-U4-50                                 |
|----------------------------|--------------------------------------------------|---------------------------------------------|
| USB Ports                  | 4x USB3.0 ports, compatible with USB 2.0/1.1/1.0 |                                             |
| USB Controller             | 2 x Renesas $\mu$ PD720202 Host Controllers      | 4 x Renesas $\mu$ PD720202 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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