

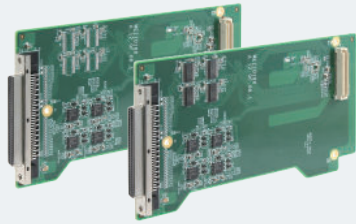


***Neousys***  
***MezIO<sup>®</sup> Modules***



# MezIO<sup>®</sup>-C180/ MezIO<sup>®</sup>-C181

8-port RS-232/ 422/ 485 MezIO<sup>®</sup> 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

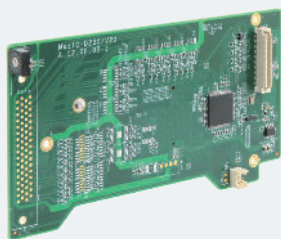
	MezIO <sup>®</sup> -C180	MezIO <sup>®</sup> -C181
# of Port	4x RS-232/ 422/ 485 4x RS-232	4x RS-232/ 422/ 485 4x RS-422/ 485
Baud Rate	50 bps to 921600 bps	
FIFO	256-byte TX and RX FIFOs	
ESD Protection	8 kV	
Interface Signals	RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND RS-422: TxD+, TxD-, RxD+, RxD-, 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<sup>®</sup>-C180-50</b>	4x RS-232/ 422/ 485 and 4x RS-232 ports MezIO <sup>®</sup> module, for Nuvo-11000/ Nuvo-9000/ Nuvo-7000/ POC-900/ POC-700/ POC-600/ POC-500/ POC-400/ POC-300 series
<b>MezIO<sup>®</sup>-C181-50</b>	4x RS-232/ 422/ 485 and 4x RS-422/ 485 ports MezIO <sup>®</sup> module, for Nuvo-11000/ Nuvo-9000/ Nuvo-7000/ POC-900/ POC-700/ POC-600/ POC-500/ POC-400/ POC-300 series
<b>Cbl-S68M-8DB9M-50CM</b>	SCSI-68(M) to 8x DB-9(M) cable, 50 cm

# MezIO<sup>®</sup>-V20/ V21

16-mode Ignition Power Control MezIO<sup>®</sup> Module



## Key Features

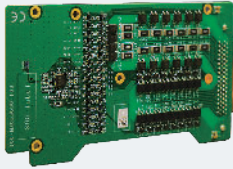
- Ignition power control with 16 predefined on/ off delay modes
- Ultra-low 12 mA ignition-off standby power
- Advanced ignition control features
  - Low-battery protection
  - Guarded power-on/ power-off delay duration
  - System hard-off
  - BIOS POST check
- Supports 12V DC (small vehicle) and 24V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

## Ordering Information

Model No.	Product Description
<b>MezIO<sup>®</sup>-V20-EP</b>	16-mode ignition power control MezIO <sup>®</sup> module for in-vehicle usage, for Nuvo-11000E/ Nuvo-9000E/P/DE/ Nuvo-9160GC/ Nuvo-9166GC/ Nuvo-7160GC/ Nuvo-7164GC/ Nuvo-7000E/P/DE series
<b>MezIO<sup>®</sup>-V20</b>	16-mode ignition power control and 1x mini-PCIe socket (USB2 only) for in-vehicle usage, POC-900/ POC-700/ POC-500/ Nuvo-11000LP/ Nuvo-9000LP/ Nuvo-7000LP series
<b>MezIO<sup>®</sup>-V21</b>	16-mode ignition power control and 1x mini-PCIe socket (USB2+PCIe) for in-vehicle usage, POC-900/ POC-700/ POC-600/ POC-500/ Nuvo-11000LP/ Nuvo-9000LP/ Nuvo-7000LP series

# MezIO<sup>®</sup> -D330

16-CH isolated DI and 16-CH isolated DO  
MezIO<sup>®</sup> module



## Key Features

- 16-CH isolated digital input
- 16-CH isolated digital output
- 2500 Vrms isolation voltage
- Support sink and source wiring type
- Up to 24V DC operation for DI and DO
- Up to 250 mA sink/source current on DO channel
- SCSI-II 68-pin connector

## Specifications

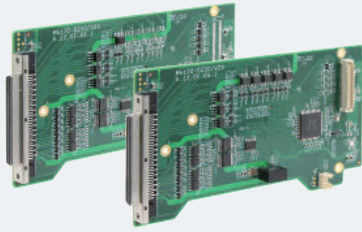
Isolated Digital Input	
# of Channels	16
Wiring Type	Sink/ Source mode
Isolation Voltage	2500 Vrms
Logic Level	Logic high: 3.3 to 24 VDC Logic low : 0 to 1.5 VDC
Rated Input Voltage	0V to 24 VDC
Operation Mode	Polling
Isolated Digital Output	
# of Channels	16
Wiring Type	Sink/ Source mode
Isolation Voltage	1500 Vrms
Operation Voltage	0V - 24 VDC
Driving Current	250 mA
Operation Mode	Polling

## Ordering Information

Model No.	Product Description
<b>MezIO<sup>®</sup> -D330</b>	16-CH isolated DI and 16-CH isolated DO MezIO <sup>®</sup> module for Nuvo-11000/ Nuvo-9000/ Nuvo-7000/ POC-900/ POC-700/ POC-600/ POC-500/ POC-400/ POC-300 series
<b>Cbl-S68M-S68M-100CM</b>	SCSI-68 (Male) to SCSI-68M (Male) cable, for MezIO <sup>®</sup> DIO card and TB-10, Length: 100CM
<b>TB-10</b>	Terminal board with 68-pin SCSI-II female connector and 68-pole terminal block

# MezIO<sup>®</sup>-D230/ MezIO<sup>®</sup>-D220

32/ 16-CH Isolated Digital I/O MezIO<sup>®</sup> 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

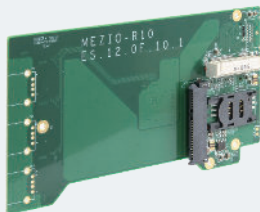
	MezIO <sup>®</sup> -D230	MezIO <sup>®</sup> -D220
<b>Isolated Digital Input</b>		
# of Port	16	8
Logic Level	Logic high: 5 to 24 VDC ; Logic low: 0 to 1.5 VDC	
Isolation Voltage	2500 Vrms	
Operation Mode	Polling, COS	
<b>Isolated Digital Output</b>		
# of Channel	16	8
Operation Voltage	Up to 24 VDC	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

## Ordering Information

Model No.	Product Description
MezIO <sup>®</sup> -D230-50	16-CH isolated DI and 16-CH isolated DO MezIO <sup>®</sup> module, for Nuvo-9000/ Nuvo-7000/ POC-500/ POC-300 Series
MezIO <sup>®</sup> -D220-50	8-CH isolated DI and 8-CH isolated DO MezIO <sup>®</sup> module, for Nuvo-9000/ Nuvo-7000/ POC-500/ POC-300 Series
Cbl-S68M-S68M-100CM	SCSI-68(M) to SCSI-68(M) cable, 100 cm
TB-10	Terminal board with 68-pin SCSI-II female connector and 68-pole terminal block

# MezIO<sup>®</sup>-R11/ R12

2.5" SATA HDD/ SSD and mini-PCIe Accommodation MezIO<sup>®</sup> Module



## Key Features

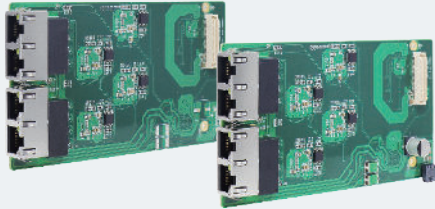
- Accommodates one 2.5" SATA HDD/ SSD
- One full-size mini-PCIe port with SIM socket

## Ordering Information

Model No.	Product Description
MezIO <sup>®</sup> -R11	MezIO <sup>®</sup> module with 2.5" SATA HDD/ SSD, for POC-700/ POC-600/ POC-500/ POC-400/ POC-300 series
MezIO <sup>®</sup> -R12	MezIO <sup>®</sup> module with SATA port for 2.5" HDD/ SSD, 4-CH isolated DI and 4-CH isolated DO, for POC-700/ POC-600/ POC-500/ POC-400/ POC-300 series

# MezIO<sup>®</sup> - G4P/ MezIO<sup>®</sup> -G4

4-Port GbE with 802.3at PoE+ MezIO<sup>®</sup> Module



## Key Features

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

## Specifications

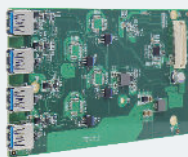
	MezIO <sup>®</sup> - G4P	MezIO <sup>®</sup> - G4
Gigabit Ethernet Port	4x GigE ports by 4x Intel <sup>®</sup> I210 controllers, supporting 9.5 kB jumbo frame	
PoE Capability	Compliant with IEEE 802.3at-2009 (PoE+), each port delivers up to 25.5 W of power	-
Cable Requirement	CAT-5e or CAT-6 cable, 100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

## Ordering Information

Model No.	Product Description
MezIO <sup>®</sup> - G4P	4-Port GbE with 802.3at PoE+ MezIO <sup>®</sup> module for Nuvo-11000/ Nuvo-9000/ Nuvo-7000 series
MezIO <sup>®</sup> - G4	4-Port GbE MezIO <sup>®</sup> module for Nuvo-11000/ Nuvo-9000/ Nuvo-7000/ POC-900/ POC-500 series

# MezIO<sup>®</sup> -U4

4-Port USB 3.1 MezIO<sup>®</sup> Module



## Key Features

- 4 x USB 3.1 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 <sup>®</sup> -U4-30	MezIO <sup>®</sup> -U4-50
USB Ports	4x USB 3.1 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 USB 3.1 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 <sup>®</sup> -U4-30	4-port USB 3.1 MezIO <sup>®</sup> module for POC-700/ POC-600/ POC-500/ POC-400/ POC-300 series
MezIO <sup>®</sup> -U4-50	4-port USB 3.1 MezIO <sup>®</sup> module for POC-900/ POC-500 series, and Nuvo-11000/ Nuvo-9000/ Nuvo-7000 series