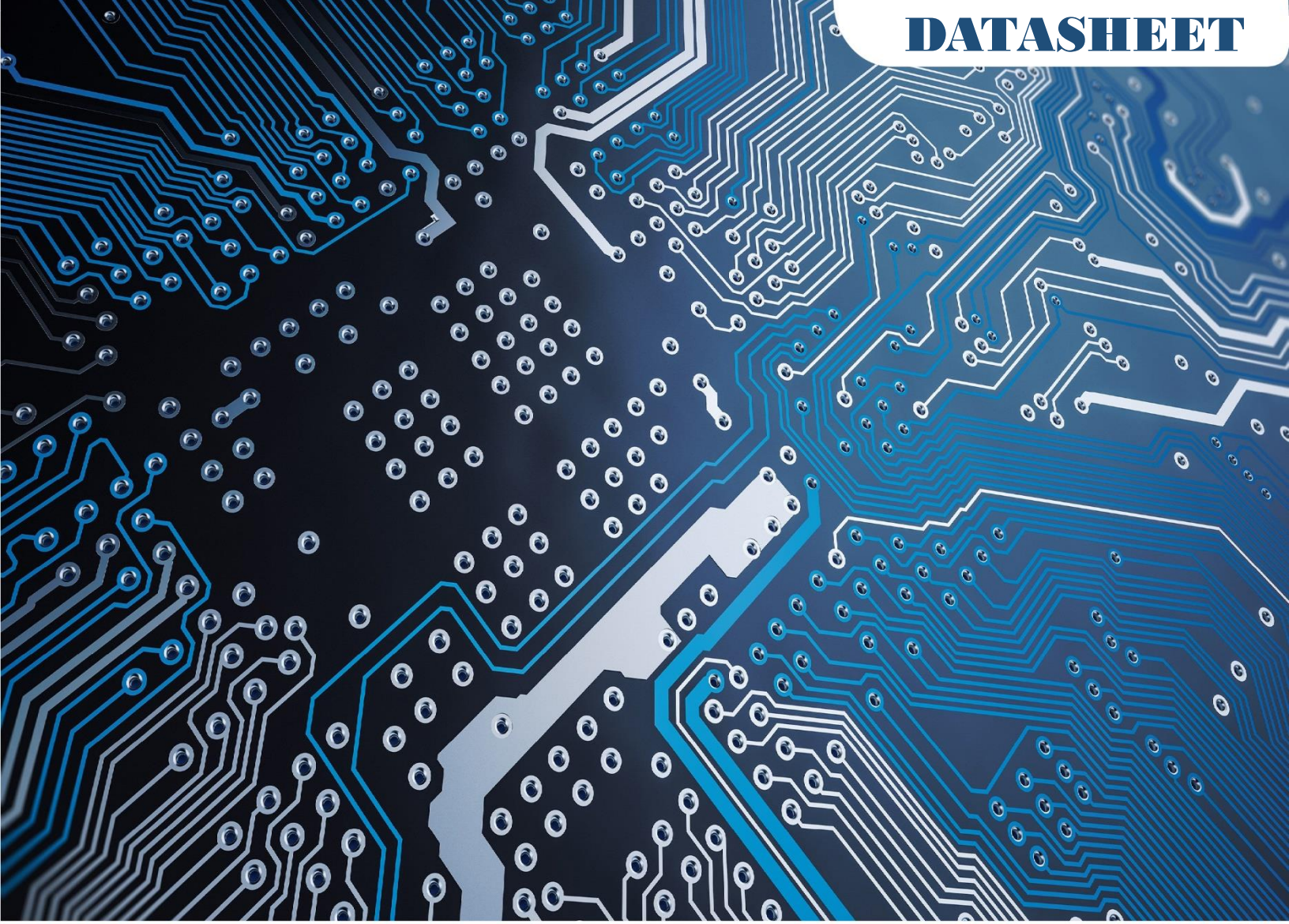
DATASHEET



UniConverge Technologies Pvt. Ltd.

Converging Universe

CONVERGING UNIVERSE

8 Analog Input 4 Digital Input MODBUS RS485 Remote I/O

This converter module converts the digital and analog input data from various controller and device.

It Provides RS485 interface supporting Modbus RTU Protocol

It supports half-duplex communication with two wires needed for transmit and receive data from legacy devices

Key Features at a glance:

- Modbus RTU through RS485
- Compact Din Rail Mounting
- Rugged Durability With 8 Analog Input 4 Digital Input
- Comprehensive Safety And Reliability
- Personal Support for your Implementation

Application Areas:

- Smart Irrigation
- Smart Street Lights
- Smart Car Parking
- Smart Logistics
- Utility Management

For more information please visit http://www.uniconvergetech.in or email us at info@uniconvergetech.in

Specifications	
Input Power	**Unregulated 9 – 24 VDC**
Power Consumption	**Less than 1 W @ 12 VDC**
Protections	**Reverse Polarity, Overvoltage (+/- 35 VDC), Short Circuit, Transient Voltage, TVS/ESD**
Indication	**Power (Red), Status (Green)**
Connector	**5mm pitch screw terminal blocks**
Enclosure	**ABS Enclosure**
Installation Type	**Plug and Play**
Dimensions	**Modular Architecture (145mm x 90mm x 40mm)**
Warranty	**12 Months from date of installation or 18 Months from date of delivery (whichever is earlier)***

Data Connectivity	
Connectivity Supported	**RS485**
Protocol Supported	**Modbus RTU**
Communication Interface	**2 Wire Type**
Watchdog Timer	**System (5 Sec) and Communication**
Indication	**Green for Communication Status**

Analog Input	
Channels	**8**
Contact Rating	**4-20mA with 12 bit SAR ADC (Transient Protected) (80 dB CMRR)**
Standard	**Single ended 12 bit ADC**

Digital Input	
Channels	**4**
Contact Rating	**24 VDC Sink/source (isolated) Up to 5000 VRMS for 1 minute**
Standard	**Digital Isolator type IEC 60950**

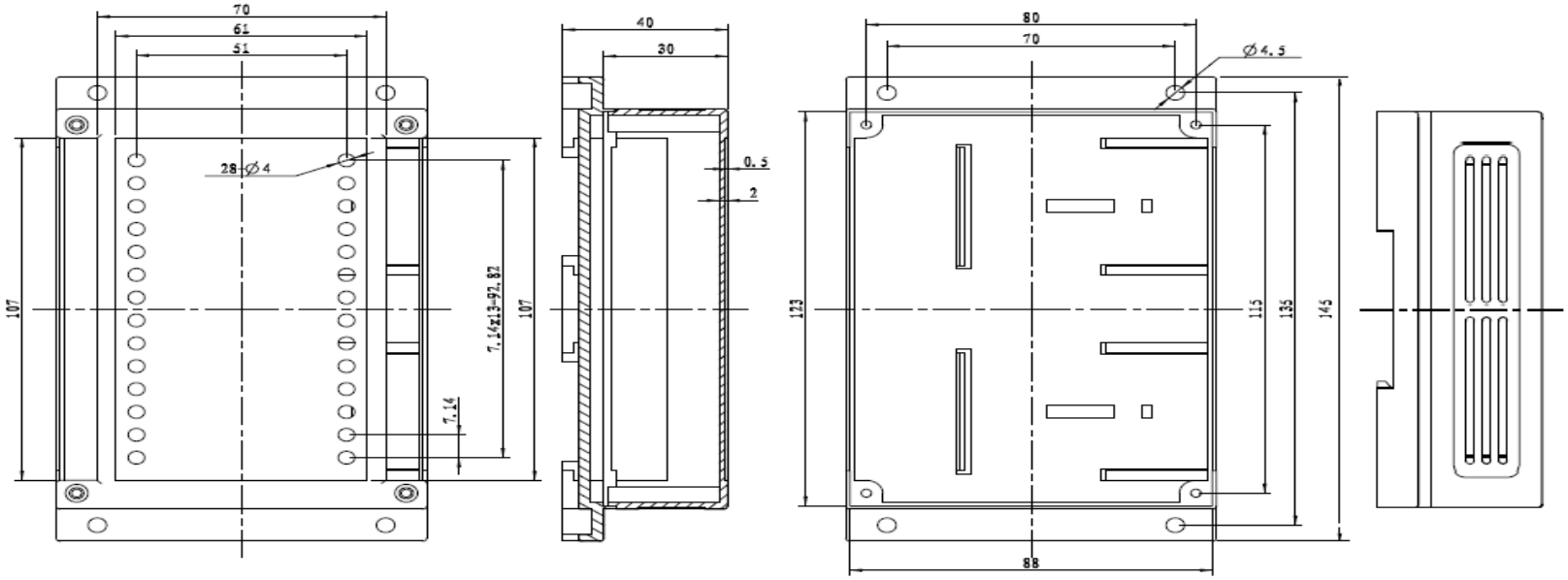
CONVERGING UNIVERSE

Environment	
Operating Temperature	**0 to 55°C**
Storage Temperature	**-10 to 70°C**
Operating Humidity	**30 – 95% RH (non-condensing)**

Mounting	
Built Architecture	**Modular**
Mounting	**DIN Rail Mountable, Wall Mountable, Stack Mountable**
Installation	**Plug and Play Device**

ORDERING INFORMATION	
Product Name	**Product Code**
8AI 4DI Modbus RS485 Remote I/O	**CM8A4D0R**

Dimensions (all units in mm)



CONVERGING UNIVERSE

WHY CHOOSE US

On Time Delivery

We provide the fastest turnaround time for your projects with the industry's best accuracy and output.

24*7 Support

We provide the support from our expert team for the installation and implementation

Transparent Pricing

We maintain every price detail transparent. We customize packages after discussion with your management.

Do you have any questions?

sales@uniconvergetech.in

(+91) – 9741933559, 9205703472

www.uniconvergetech.in

Noida Address: Block C- 56/11, Ground Floor, Sector 62, Noida, Uttar Pradesh - 201301