The Rubix Compute is Nube-iO's fully programmable IoT gateway controller. It is perfect for developing building management systems (BMS) solutions and aggregating all types of building data.

Data collected from wired and wireless peripherals can be easily exported to local/cloud databases, ported to other protocols, or used as inputs to onboard programmable logic.

The Rubix Compute is easy to integrate with BACnet, Modbus, LoRa® and LoRaWAN®. It supports services like MQTT, Rest APIs, Database Services and more.

Rubix IO modules can be connected wirelessly, using wired RS485, or plugged directly into the side of the Rubix Compute. Onboard logic programming allows for complex control of physical outputs based on all types of input data and other cloud resources.
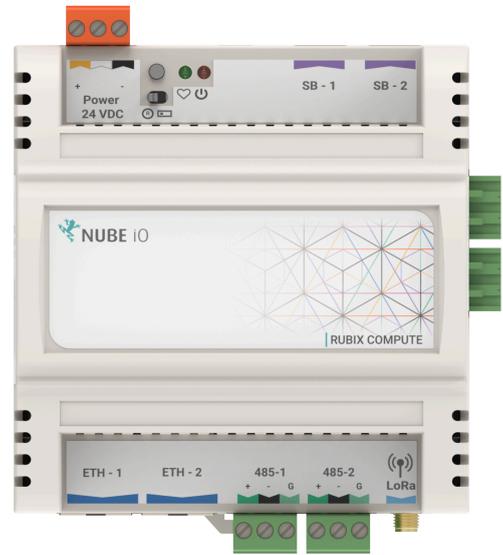
Technical Data

General	
Dimensions	112mm x 107mm x 56mm or 4.41in x 4.21in x 2.2in (H x W x D)
Operating Temperature	0°C to 70°C
Enclosure	ABS Plastic, DIN Rail Mount, IP40 Rated.
Power	
Power Supply	24V DC ±10%
Consumption	**Base**: 9.6W (400mA at 24 VDC), **Max**: 15W (625mA at 24 VDC)
Recommended Transformer Size	625mA / 15VA (Transformer should be sized based on Base Current plus the power requirements of all connected output devices)
Physical Ports	
Ethernet	2x RJ45 Ethernet Ports for LAN Connection.
RJ12	2x RJ12 for power and breakout for USB, UART for add on modules.
RS485	2x RS485 ports available for Modbus RTU. **Speeds:** 9.6K, 19.2k, 38.4K, 57.6K, 115.2K bit/s **Data Bits:** 8 bits **Parity:** None, Even, Odd

Wireless Communications		
LoRa®	**Supported Frequencies:**	AU915, US915, AS232, EU863
	Spreading Factor:	7
	Bandwidth:	250 kHz

About Nube iO

Nube iO stands at the forefront of building technology, providing innovative software and hardware solutions. We're dedicated to enhancing building operations, sustainability and compliance by providing secure connectivity, seamless system operability, and delivering all-encompassing monitoring, analysis, and control. Our team leads innovation in the building industry.

We tackle the integration of diverse systems and modernise legacy technologies to streamline operations and improve functionality. Our innovative approach ensures seamless connectivity across devices and protocols, making Nube iO a go-to for end-to-end building automation, sustainability and asset management solutions.

To learn more about our products and solutions, visit: nube-io.com

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