CoolMaster EDGE Data Sheet

Features
• Direct and seamless connection to any VRF system
• BACnet client for integrating additional HVAC systems using an intuitive integration tool.
• Bi-directional communication allowing full control & monitoring of connected HVAC systems.
• Local storage and processing power for historic data buffering, execution of logic and configuration.
• Local enforcement of advanced logic: schedules, interlocks, changeover and more.
• Web server for running local applications without connection to the Internet
• Multi brand connectivity on a single device
• Cloud based HVAC Control Mobile App — remote access by Smartphone, Tablet and Desktop
• (Optional) Built in WiFi connectivity
• (Optional) access to CoolAutomation Cloud services Professional suite
• Device Warranty – 3 years***

Technical Specifications	
Power	
Power (External Power adapter included)	9-24 VDC (120VAC 60 Hz /220VAC 50 Hz)
Consumption	3.6 Watt
Size and Weight	
Dimensions (H x W x D) (inches/mm)	2.56 x 4.64x1.25 / 65 x 118 x 32
Weight (lbs/Kg)	0.33 / 0.15
HVAC Connection Capacity	
Maximum number of indoor units*	64*
BACnet Devices	64
Operating Conditions and Installation	
Surrounding Temperature Limit	-10° C to +60° C / +14 F to +140 F
Humidity (%)	0% to 96%
Maximum allowable wiring RS485 (ft/m)	3280/1000
Mounting	Wall mount, Magnets
External Communication Cabling	
HVAC communication (Brand dependent)	2-3 wires shielded cable Follow guidance of HVAC manufacturer
RS485 for Modbus-RTU/BACnet-MSTP	Shielded Twisted pair AWG 20-22
Certifications and Standards	CE, FCC, UL, BTL

CoolAutomation products are subject to continuous improvements. CoolAutomation reserves the right to modify product design, specifications, and information in this datasheet without notice and without incurring any obligations.

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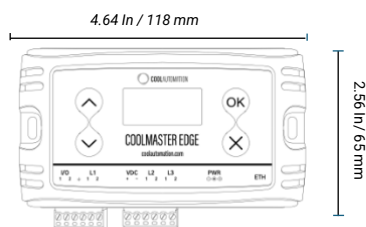| Interfaces	
HVAC Lines	RS-485, CANbus, HBS**
RS 485 – Protocols	BACnet MSTP, Modbus RTU
Ethernet	RJ45, 10/100Mbps
I/O	2 x Digital I/O
WiFi (standard / Frequency / Max power) - Optional	802.11b/g/n / 2.4Ghz / 19.5dBm
Local Storage (SD card)	Micro SD Card– 8 GB
USB A	Host
USB-C	Device/ Host

*   Manufacturer dependent
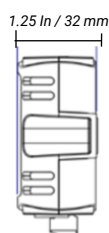** HBS – Home Bus Systems (HVAC communication bus lines)
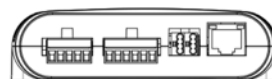*** See CoolAutomation Warranty Terms and Conditions
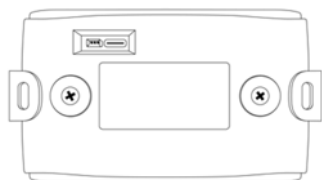
Dimensional drawings:

Front View

4.64 In / 118 mm

2.56 In / 65 mm

Side View

1.25 In / 32 mm

Bottom View

Back View

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