DHI-DEE118A

RS-485 Extension Module



- Provides 12 VDC, 200 mA power.
- Supports cascading up to 20 devices. When the device is not connected to a load, a 12 V/1 A power adapter can support all 6 cascaded devices, with a power supply transmission distance of up to 100 meters. When the device is connected to a load and each unit is powered separately, the device can support up to 20 cascaded devices while maintaining a transmission distance of 100 meters using RVV 0.5 mm² flexible cable. The device must be connected to an adequate power supply that is performing normally.
- Supports RS-485 communication.
- Power indicator light and status indicator light.
- 8-channel alarm input and 4-channel alarm output. The input mode can be changed to the output mode by toggling the 1-bit switch.

Technical Specification

Performance

Casing Material	PC + ABS

Port

RS-485	1 for output and 1 for input
Alarm Input	8 channels. You can toggle the 1-bit switch to switch between input mode and output mode. If you toggle the 1-bit switch on the right to 0, input mode will be enabled.
Alarm Output	4 channels. You can toggle the 1-bit switch to switch between input mode and output mode. If you toggle the 1-bit switch on the right to 1, output mode will be enabled.
Power Output	1 port (12 V, 200 mA)

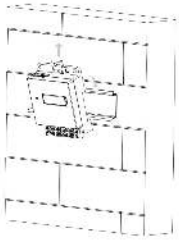
General

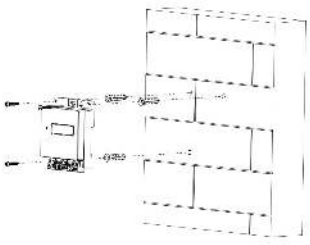
Appearance Color	White
Power Supply	12 V, 1 A
Power Adapter	Optional
Installation	Surface Mount;Guide Rail Mount
Certifications	CE EMC; CE LVD
Product Dimensions	82.6 mm × 65.0 mm × 25 mm (3.25" × 2.56" × 0.98")
Operating Temperature	–30 °C to +60 °C (–22 °F to +140 °F)
Operating Humidity	10%–90% (RH), non-condensing
Operating Environment	Outdoor
Operating Altitude	0 m–3,000 m (0 ft–9,842.52 ft)
Power Consumption	≤0.3 W (standby), ≤1.0 W (working, 12 V output with no load)
Gross Weight	0.15 kg (0.33 lb)
Storage Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Storage Humidity	30%–75% (RH)

Ordering Information

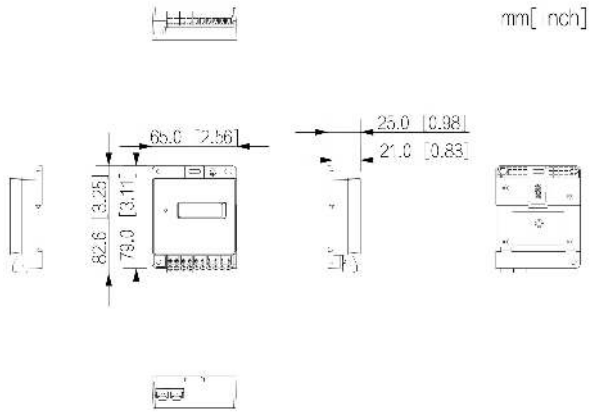
Type	Model	Description
Access Control Extension Module	DHI-DEE118A	RS-485 Extension Module

Installation





Dimensions (mm[inch])



©2025 Dahua. All rights reserved. Design and specifications are subject to change without notice.
Pictures in the document are for reference only, and the actual product shall prevail.