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## Installation Guide

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## Technical Specifications

### UA-Hub-Door Mechanical

<b>Dimensions</b>	174.9 x 126 x 32.9 mm (6.9 x 5 x 1.3")
<b>Weight</b>	363 g (12.8 oz)
<b>Enclosure material</b>	Polycarbonate
<b>Mounting material</b>	Polycarbonate

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<b>Networking interface</b>	(5) 10/100/1000 Base-T
<b>Power method</b>	PoE++ UL 294 Power-limited Class 2 PSU UL 60950/62368 LPS/PS2 PSU
<b>Max. power consumption</b>	Without PoE output: 30W With PoE output: 50W
<b>PoE input</b>	50V DC, 1A
<b>PoE output</b>	PoE passthrough, (4) PoE, 50V DC, total 20W
<b>Button</b>	(1) Factory-reset
<b>LEDs</b>	System: white/blue Output relays: white
<b>Digital input</b>	Request to exit/request to enter/remote release/door position sensor
<b>Dry output relay</b>	Lock: 30V DC, 1A Aux: 30V DC, 1A
<b>Powered output relay</b>	Lock: 12V DC, 1A Aux: 12V DC, 0.33A 12V DC, 0.33A
<b>Operating environment</b>	Indoor use only
<b>Ambient operating temperature</b>	0 to 40° C (32 to 104° F)
<b>Ambient operating humidity</b>	5 to 95% noncondensing
<b>UL 294 level</b>	Destructive attack: Level I Line security: Level I Endurance: Level I Standby power: Level I
<b>UL 294 statement</b>	Compliance with IEEE 802.3 (at or af) specifications was not verified a The equipment is intended to comply with the section of the National 725.121, Power Sources for Class 2 and Class 3 Circuits.
<b>CAN/ULC-60839-11-1 Grade</b>	Grade assignment: 1
<b>Certifications</b>	CE, FCC, IC, UL 294, CAN/ULC-60839-11-1
<b>Document number, and issue date and/or revision level</b>	UA-Hub-Door002, V01

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Wiring gauge requirements (AWG)	Total length to device	Output load current at 12V 100mA
	6.1 m (20 ft)	22
	15.2 m (50 ft)	22
	30.5 m (100 ft)	22

UACC-Cable-DoorLockRelay (18 AWG) is recommended.

<b>PoE cabling requirements</b>	The minimal conductor gauge permitted to connect between the PSE and the device is 22 AWG (0.21 mm <sup>2</sup> ) for horizontal or riser cable.
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## LEDs

<b>PoE in</b>	Steady blue: Adopted/device is ready Steady white: Pending adoption Blinking white/blue: Upgrading firmware
<b>PoE out</b>	Off: Not connected or no data link Steady blue: Connected and data link on

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## UA-G2

### Mechanical

<b>Dimensions</b>	93 x 40 x 36.5 mm (3.7 x 1.6 x 1.4")
<b>Weight</b>	82 g (2.9 oz)
<b>Enclosure material</b>	Polycarbonate, glass
<b>Mounting</b>	In wall, gang box
<b>Weatherproofing</b>	IP55

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## Hardware

<b>Networking interface</b>	(1) 10/100 MbE RJ45 port
<b>Connectivity</b>	BLE 4.1

	UL 60950-1/62368-1 LPS/PS2 PSU
<b>Supported voltage range</b>	48V DC
<b>Max. power consumption</b>	5W
<b>ESD/EMP protection</b>	Air: ±15kV, contact: ±8kV
<b>Sensors</b>	Proximity sensor
<b>Speaker</b>	(1) 8 ohm, 0.7W
<b>LEDs</b>	R/G/B/W
<b>Button</b>	(1) Factory-reset
<b>NFC frequency</b>	13.56 MHz
<b>NFC read range</b>	< 30 mm
<b>NFC standards</b>	ISO 14443A, 14443B, 15693
<b>NFC technology</b>	NFC Tag 1,2,3,4,5 MIFARE Classic MIFAREPlus MIFARE Ultralight MIFARE DESFire
<b>Operating environment</b>	Outdoor use
<b>Ambient operating temperature</b>	-30 to 45° C (-22 to 113° F)
<b>Ambient operating humidity</b>	5 to 90% noncondensing
<b>Software information</b>	The software version of a product can be checked at <a href="https://unifi.ui.com">https://unifi.ui.com</a>
<b>UL 294 level</b>	Destructive attack: Level I Line security: Level I Endurance: Level I Standby power: Level I
<b>UL 294 statement</b>	Compliance with IEEE 802.3 specifications was not verified as part of the product. The equipment is intended to comply with the section of the National Electrical Code (NEC) 725.121, Power Sources for Class 2 and Class 3 Circuits.
<b>PoE cabling requirements</b>	Cable 5e cabling is the minimum performance category recommended to match the transmission speed required at the installation site. The minimal conductor gauge permitted to connect between the PSE and the patch panel is 24 AWG (0.13 mm <sup>2</sup> ) for patch cords; 24 AWG (0.21 mm <sup>2</sup> ) for horizontal or riser cabling.
<b>CAN/ULC-60839-11-1 Grade</b>	Grade assignment: I
<b>Certifications</b>	CE, FCC, IC, UL 294, CAN/ULC-60839-11-1