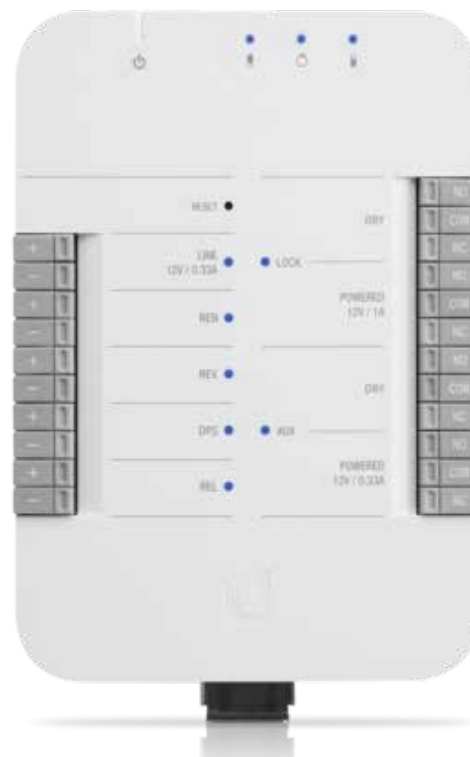UniFi® Access

UA-Hub	
Dimensions	190 x 126 x 33 mm (7.48 x 4.96 x 1.29")
Weight	457 g (16.12 oz)
Enclosure Characteristics	Plastic Enclosure with Metal Mount Plate
Mounting Options	DIN Rail
Networking Interface	(4) 1 Gbps Ethernet
Max. Power Consumption	40W
Power Method	802.3bt PoE
Input Terminals	REX - Request to Exit REN - Request to Enter REL - Remote Release DPS - Door Position Sensor
Dry Output Relay Lock Aux	Rated 30VDC, up to 1A Rated 30VDC, up to 1A
Powered Output Relay Lock Aux Line	12VDC, up to 1A 12VDC, up to 0.33A 12VDC, up to 0.33A
LEDs	(1) System, (3) PoE Out, (4) Input (2) Output Relays, (1) 12VDC Out
Buttons	Terminal Blocks, Reset
Operating Temperature	0 to 40° C (32 to 104° F)
Operating Humidity	5 - 90% Noncondensing
Certifications	CE, FCC, IC

Recommended Wiring for Typical Installation (Shielded)	
DC Power Input	Belden 8760, 18 AWG, 2 Conductor (30.5 m / 100 ft)
Door Position Switch	Belden 8760, 18 AWG, 2 Conductor (152.5 m / 500 ft)
Request to Exit	Belden 8760, 18 AWG (up to 152.5 m / 500 ft)
Lock Relay Output	Belden 8760, 18 AWG (up to 152.5 m / 500 ft)
Auxiliary Relay Output	Belden 8760, 18 AWG (up to 152.5 m / 500 ft)

Wiring Gauge Requirements (AWG)*				
Total Length to Device	Output Load Current @ 12VDC			
	100mA	250mA	500mA	1A
6.1 m (20 ft)	22	22	22	18
15.2 m (50 ft)	22	22	22	18
30.5 m (100 ft)	22	22	18	18

Use CTE cable connectors that comply with local electrical codes.

Default I/O State Matrix: Lock			
Dry			
	NO	COM	NC
Door Locked Initial State	Opened	Shorted	Shorted
Unlocked REN, REX, or REL is shorted; or the reader has granted access	Shorted	Shorted	Opened
Powered			
	NO	COM	NC
Door Locked Initial State	0V	GND	+12V
Unlocked REN, REX, or REL is shorted; or the reader has granted access	+12V	GND	0V

Default I/O State Matrix: Aux			
Dry[1]			
	NO	COM	NC
Door Locked Initial State	Opened	Shorted	Shorted
Unlocked REN, REX, or REL is shorted; or the reader has granted access	Shorted	Shorted	Opened
Powered[2]			
	NO	COM	NC
Door Locked Initial State	+12V	GND	0V
Unlocked REN, REX, or REL is shorted; or the reader has granted access	0V	GND	+12V

[1] *Example 1: Recommended Setup - Connect AUX DRY to automatic door opener with external power.*

[2] *Example 2: Recommended Setup - Connect AUX POWERED to siren (12V / 0.33A / 4W) for door position warning.*