

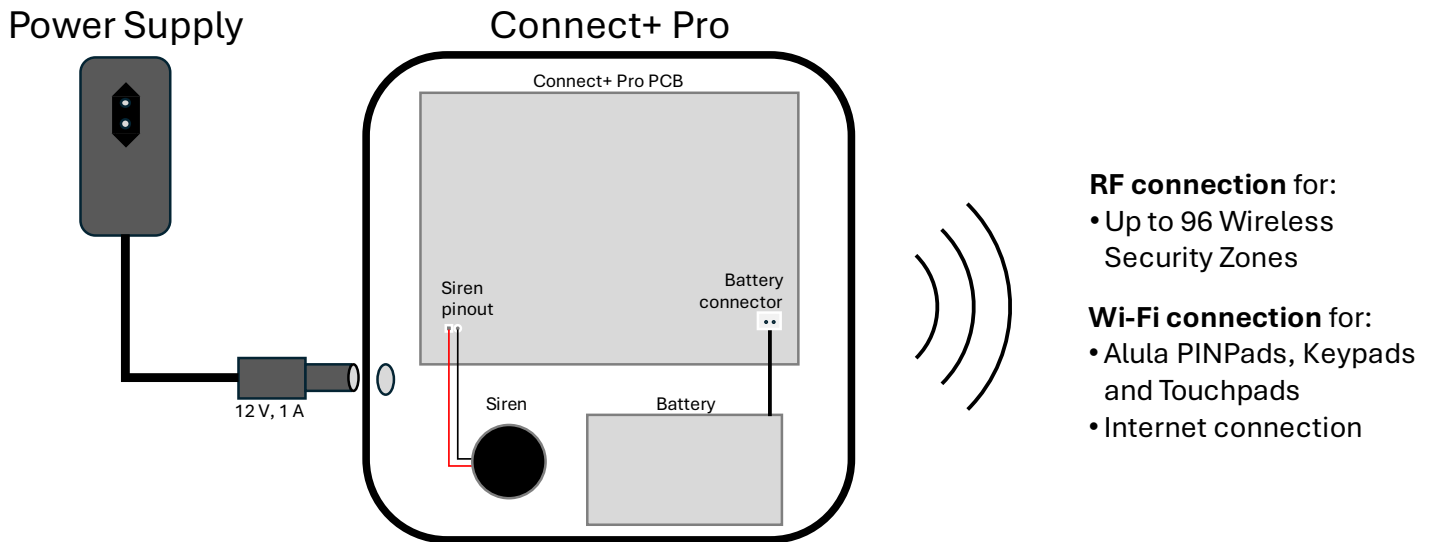


Connect+ Pro

Product Sheet



Wiring diagram



Features

- Cellular or Wi-Fi communication channels
- Control from a user's mobile device
- Industry-leading wireless range
- Up to 49 users
- Up to 96 zones
- 2-way voice communication with RE6130

Specifications

Physical Specifications

Dimensions	
Housing Body Dimensions	8.9 x 8.9 x 1.5 inches (22.6 x 22.6 x 3.8 cm)
Housing Base Dimensions	8.2 x 1.3 x 2.7 inches (20.8 x 3.3 x 6.7 cm)
Weight	
Weight with battery	26.8 ounces (760 grams)
Operating Temperature Range	
Operating	32 to 120 °F (0 to 49 °C)
Storage	- 4 to 86 °F (-20 to 30 °C)
Max. humidity	85% non-condensing relative humidity

Panel Specifications

Communication channels

Cellular	Telit ME310G1-WW
Wi-Fi 1	ESP32-WROVER-E
Wi-Fi 2	ESP32-WROOM-32E

Cellular Module

Model	Telit ME310G1-WW
Supported modes	Dual Mode LTE-M/2G

Wi-Fi Module 1 – for Internet connection

Model	ESP32-WROVER-E
Supported mode	2.4 GHz
Protocols	802.11b/g/n (802.11n up to 150 Mbps)
RAM	520 KB of on-chip SRAM for data and instructions
External SRAM	8 MB
External Flash	8 MB

Wi-Fi Module 2 – for the Alula Devices

Model	ESP32-WROOM-32E
Supported mode	2.4 GHz
Protocols	802.11b/g/n (802.11n up to 150 Mbps)
RAM	520 KB of on-chip SRAM for data and instructions
External SRAM	None
External Flash	4 MB

Microcontroller

Model	Atmel ATSAMD5 1P20A
Core	ARM Cortex-M4 processor with FPU
Operating Frequency	Up to 120 MHz
SRAM	256 KB
Flash Memory	1 MB (with dual bank support)
EEPROM	Emulated in flash

RF Module for Wireless Sensors

Frequency	433.92 MHz
Max. number of Wireless Security Zones	Up to 96

Interface Devices

PINPads (RE652)	Up to 8 PINPads
Keypads (RE656)	Up to 8 Keypads and/or mobile devices
Touchpads	Up to 8 Touchpads

Power Supply

Part number	RE012-6 (US), RE012-7 (AUS), RE012-8 (CE)
Input	100-240VAC, 50/60 Hz, 0.5A
Output	12VDC, 1A

Supported Battery

Part number	RE029
Backup	24 hours minimum (4 hours min. for RE6130)
Specifications	6 VDC, 2.5 Ah, NiMH

Charger

Trickle	25 mA
Fast	95 mA

Current Draw

Normal	150 mA
Alarm	300 mA

Users

Maximum Number of Users	49
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Siren

Meet/exceed UL required 85dBA at 10 feet performance requirements

Certifications

Certifications

HUB-PLUS-AC-V, HUB-PLUS-AC-A	FCC, IC
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