

This RFID Reader Antenna Hub allows for up to 32 antennas to be connected to a single UHF 4-Port Reader.

This RFID Antenna Hub provides a low cost alternative for the creation of a large, contiguous RFID read zone by enabling from 5 to 32 antennas to be attached to a single GAO 236015 – UHF Gen 2 RFID Reader/Writer with 4 Antenna Ports*. The system is an ideal solution for applications such as RFID smart shelves or document tracking applications. Installation is quick and easy with included antenna virtualization software, GPIO Adapter Kit (sold separately) and system feedback including LED status indicators and software providing diagnostics and alerts.

*note: each Hub can control up to 8 readers.



Key Features

- ✓ Easy operation of 5-32 antennas attached to a single GAO 236015 – UHF Gen 2 RFID Reader/Writer with 4 Antenna Ports and GPIO Adapter
- ✓ Easy installation with feedback for reliable installation
- ✓ Enclosure includes mounting tabs
- ✓ LEDs status indication
- ✓ Includes diagnostic software

Technical Specifications

Dimensions	4 x 2.4 x 1 in (102 x 61 x 24 mm)
Weight	3.5 oz (100 g)
Power Supply	5V provided by the GPIO Adapter
Power Consumption	25mA (80mW) max
Connectors	RF Input: SMA Female; 8 RF Outputs: SMA Female; 1 Digital I/O: RJ45
Mounting Options	Two 1/4 in mounting holes
Max Input Power	34 dBm
Insertion Loss	1.3 dB (Max)
Isolation	36 dB (Min)
Return Loss	24 dBm (Min)
Antenna Hub Switching Speed	<200 μ s based on hardware design
Device Switching Speed	About 25 ms
Operating Temperature	-40 °C to 80 °C
Storage Temperature	25 °C
Humidity	5% to 95%, non-condensing
IP Rating	IP52
Frequency	860-960 MHz
Certifications	FCC, CE, RoHS
Cables	RF cable maximum length: depends on environment/region, typical 1/2 dB per meter signal loss; Digital cable (Cat5) for control, maximum length: 300 ft (100 m) if shielded, 100 ft (30 m) if unshielded
Antenna Port Numbering	1-32 on Antenna Hubs; 1, 9, 17, 25 on native reader ports
API	LLRP Tool Kit (LTK), SDK
Test Software	Multi-Reader v6.8 or later



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