



Speedway Antenna Hub (8 antennas per Antenna)

Impinj's Speedway® Antenna Hub provides a low-cost opportunity to drive many antennas from a single fixed RAIN RFID reader. Connect up to 32 antennas to a single Speedway R420 reader and up to 8 antennas to a single Speedway R120 reader.

The Speedway Antenna Hub makes RAIN RFID monitoring applications requiring many antennas, including large contiguous read zones and smart shelves, cost-effective and easy to deploy.



Technical Description

Functionality & Operation

| | |
|--------------------------|---|
| Antennas, Antenna inputs | 1-32 on Antenna Hubs; 1, 9, 17, 25 on native reader ports |
| Connectors | SMA female |
| Frequency | UHF: 860 - 960 MHz |

Electrical

| | |
|--------------|--|
| Power Source | 5V provided by the GPIO Adapter, 25mA (80mW) max |
|--------------|--|

Mechanical

| | |
|------------|---|
| Dimensions | Width: 102mm, Height: 61mm Length: 24mm |
| Weight | 100g |

Environment

| | |
|-------------------------------------|-------------|
| Operating temperature | -40 to 80°C |
| Operating humidity (non-condensing) | 5 to 95% |
| Ingress protection | IP52 |

Others

| | |
|----------------------|---|
| Certifications | CE, FCC, RoHS |
| Application software | LLRP Tool Kit (LTK), Speedway Development Kit (SDK) |
| Recommended software | Impinj ItemTest |

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