



## Expander-8 UHF RFID Antenna Multiplexer

The Expander-8 is a smart UHF RFID antenna multiplexer that extends a single antenna port RFID reader to connect with multiple antennas, significantly extending the coverage area while reducing the need for additional readers. The Expander-8 optimizes RF power distribution by using RF detection switching or time switching modes which can be configured via software.

By leveraging a smart UHF RFID antenna multiplexer, businesses can achieve heightened asset visibility and tracking accuracy. Integrating the Expander-8 into your system can significantly reduce hardware costs and installation time. Its smart capabilities can make it easier to deploy RFID projects with complex environments.

### Features:

- Extend 1 antenna port to 8 antenna ports.
- Antenna switching can be configured using time mode or rf mode.
- Available for global frequency range.
- LED light indicator during antenna switching.
- Easy to use software configuration tool.

### Applications:

- UHF RFID Portals
- Smart Shelves
- Smart Inventory Closets
- Location Tracking
- UHF RFID Tunnels
- UHF RFID Jewelry Management
- Multiple Read Point Applications

## Smart Antenna Multiplexer

Compatible with all

UHF RFID Readers

### Technical Specifications:

Frequency	860 Mhz - 930 Mhz
Multiplexer Ports	8
Insertion Loss	1.7 dB (±0.1dB)
Isolation	35 dB (Typical)
Return Loss	25 dB
Max. Input Power	33 dBm
Switching Time	<5 us
Connectors	SMA-F
Data Connector	USB Type-C
Power Supply	5V
Dimension	130mm x 67mm x 1.6mm

\* All specifications are subject to change without prior notice.