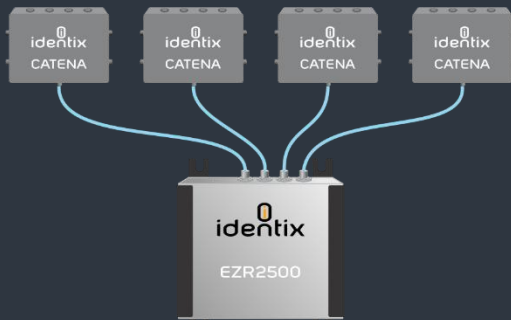




FEATURES

- High-performance RFID antenna multiplexer
- One input and eight RF outputs
- Supports installation of up to 32 antennas per reader
- Enables individual power and sensitivity control for each connected antenna
- Easily scalable
- Easy to install
- Power supply via PoE or USB-C



The Identix Catena is a cost-effective and efficient solution developed to expand the antenna connectivity capacity of RAIN RFID UHF readers.

With Catena, it is possible to connect up to 32 antennas to a single RFID reader with four RF ports, resulting in a significant reduction in installation costs for scenarios requiring multiple antennas, such as continuous reading zones, smart shelves, and RFID cabinets.

The system is designed for straightforward installation and intuitive management. Simply connect the RF output of the Identix reader to the Catena input using a coaxial cable and ensure that both devices are on the same data network.

The Catena multiplexer provides multiple connectivity options, including Ethernet with PoE, USB-C, Wi-Fi (2.4 GHz), and Bluetooth Low Energy (BLE). This flexibility enables integration with readers from other manufacturers, such as Impinj, Zebra, Chainway, among others, making it a versatile solution compatible with various RFID infrastructures.

Technical Specifications

- 8:1 UHF RFID Antenna Multiplexer
 - One input and eight outputs with female SMA RF connectors
- Operating frequency: 850 MHz to 930 MHz
- Antenna port switching:
 - Automatic (configurable), or
 - External switching control via network or USB port
- RF detector on the input port
- Maximum input power: 35 dBm
- Insertion loss: <1 dB (typical)
- Port-to-port isolation: 36 dB (typical)
- VSWR: 1.1:1 (typical)
- Internal port switching time: <180 µs
- Equipped with activity indicator LEDs for each individual antenna and an RGB status LED for the unit
- Power supply via Ethernet PoE or +5V USB-C power adapter
- Connectivity:
 - Ethernet with PoE
 - USB-C
 - WiFi 2.4 GHz
- Dimensions: 140 x 65 x 18 mm
- Operating temperature: -20 to +50°C
- Humidity: 5% to 95%, non-condensing
- Approximate weight: 100 g
- IP52 protection rating

For more information, visit

identix.com.br