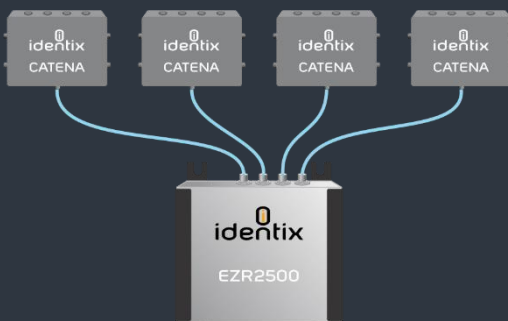## Catena® AT A GLANCE

- 1 to 8 high performance UHF RFID antenna multiplexer
- Allows for up to 32 antennas per Identix 4 port UHF RFID reader
- Allows for individual setting of power and sensitivity per connected antenna
- No separate DC power cable requirement
- Low deployment cost per antenna port
- Simple to install and easy to scale

Identix Catena is a low-cost solution that expands the antenna deployment capacity for the Identix UHF RFID readers and gateways.

With the Identix Catena you can connect up to 32 RFID antennas using a 4 port Identix UHF RFID reader, which offers an ideal solution for applications requiring the deployment of multiple antennas, like large read zones, RFID enabled shelves and intelligent cabinets or freezers

The Identix Catena is simple to install and control. Simply connect an RF coaxial cable from the antenna port on an Identix UHF RFID reader to the Catena port and the Catena is immediately recognized and controlled by the reader's firmware.

The individual RF coaxial cable serves to power and control the Catena, thus eliminating the need for separate dedicated cables for power and antenna switching. This architecture frees the GPIO port for other uses.

Technical Specifications

- UHF RFID Antenna Multiplexer 8:1
- Operating Frequency: 850Mhz-930Mhz
- One (1) IN port with RF SMA female connector
- Eight (8) OUT ports with RF SMA female connector
- Maximum input power: 34dBm
- Average Insertion Loss: 1.3dB
- Average Isolation between ports: 36dB
- Average VSWR 1.1:1
- Catena internal switching time between ports: <180 μs
- Identix reader switching time between ports: ~50ms
- Average RF Cable loss per 10m (33 feet). Cable Model:
  - RG58 – 7.6dB
  - LMR240 – 2.7dB
  - LMR400 – 1.4dB
- Activity LEDs for each individual antenna and an RGB signaling LED for the set
- +5VDC supply voltage provided directly by the Identix RFID reader
- Dimensions:
  - 100 x 60 x 30 mm
  - 3.94 x 2.36 x 1.2 in
- Operating Temperature: -20 to +50°C. 5% a 95% relative humidity, non-condensing
- Approximate weight: 100g – 3.5oz.
- IP52 Protection
- Certifications: FCC e Anatel

For more information visit
www.idntx.com