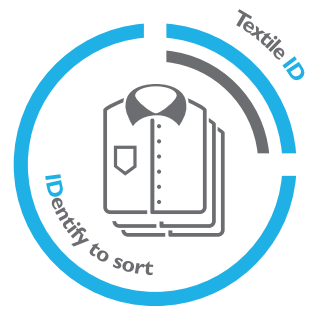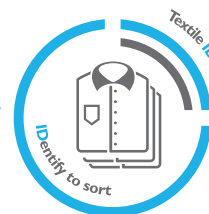# INTEGRATED UHF READER AND EXTERNAL ANTENNA

Product description

This integrated UHF reader with optional external antenna is easy to install and unobtrusive, making it an ideal part of a UHF RFID solution for your industrial laundry business. This reader is power over Ethernet capable for flexible, single cable installations.

Our newest line of UHF microchips delivers read ranges up to ten feet (or three meters) without requiring a direct line of sight. Our UHF solutions can offer RFID to industrial laundries for a lower capital investment than what is typically expected from RFID, and offers better long term ROI than conventional ID systems. We offer customizable, modular UHF portal solutions at the industry's most reasonable price levels and offer consulting services for tailored systems to ensure you reap the benefits from the industrial fabrication expertise you already have in-house.

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INTEGRATED UHF READER AND EXTERNAL ANTENNA

Technical Data

Integrated UHF Reader

Tag Protocol:	EPCglobal Gen2 (ISO 18000-6C) with Anti-Collision, DRM and advanced anti- jamming
Antenna(s):	Integrated 6dbi, monostatic, circularly polarized antenna, plus 1 RP TNC connector to support optional external antenna
RF Power Output:	Configurable from 5 dBm to 30 dBm (1W), +/- 1.0 dBm accuracy
Frequency:	FCC 902-928 MHz (americas) ETSI 865.6-867.7 MHz (EU)
Connectors:	10/100 Base-T ethernet interface
External DC Power (optional):	10-30 VDC supply voltage; 15W max DC power
Power Over Ethernet:	Power over ethernet 802.3af in both modes A and B (supports 100m cable)
Operating Temperature:	-4°F - +122°F (-20°C - +50°C)
Maximum Read Rate:	Over 190 tags/second
Maximum Read Distance:	Over 30 feet (9 meters) with integrated 6 dBil antenna (36 dBm EIRP)
Maximum Receive Sensitivity::	-65 dBm at full transmit power with typical antenna
Networking:	Cisco-certified DHCP & DNS-based configuration and firmware management, TCP/IP networking stack
Security:	SSL/SSH-based security
Web-based Applications:	Configuration and monitoring from a browser; HTTP/HTTPS
Communication:	Supports thread safe local and remote applications on MS Windows and Linux (x86 and ARM)
Warranty:	1 year

External Antenna

Frequency Range:	865-960 MHz
Gain:	8.5 dBic
3 dB Beamwidth:	65°
Polarization:	Circular right-hand or circular left-hand
Maximum Input Power:	3 Watts
Mechanical Size:	10.2'' x 10.2'' x 1.32'' (259.08mm x 259.08mm x 33.53mm)
Antenna Connection:	Coax pigtail, rev TNC male (others available)
Operating Temperature:	-13°F - +158°F (-25°C - +70°C)
Environmental Rating:	IP54