



RFID Work Surface Antenna IDA-1000

The RFID Work Surface Antenna is a key element of Tyco's TrueVUE™ Inventory Intelligence solution suite. With a compact, low-profile design and focused read range, this antenna adds cost-effective RFID read points to point-of-sale (POS) cash wraps, kiosks and stockrooms. With additional RFID read points, retailers can improve labor efficiency and enhance customer convenience, while providing the precise inventory accuracy needed to succeed in omni-channel retailing.

Compatible with EPC Gen2 standard RFID tags, the IDA-1000 antenna reads accurately across a wide variety of product types including apparel, footwear, books, electronics and more.

In the stockroom - the antenna supports numerous RFID workflow tasks including receiving small shipments of merchandise, transferring items to another location and writing new RFID tags with precision.

At kiosks - the antenna provides more accurate product lookups and enables self-checkout to provide improved customer service.

At the POS - the antenna provides near real-time visibility into what products are selling — dramatically improving restocking efforts and on-floor availability. Checkout is expedited by instantaneously reading information on merchandise placed on or near the antenna, instead of scanning barcodes by hand, to efficiently reduce costs and increase customer satisfaction.

Retailer Values

- // Aesthetic design and small form factor allow use in multiple areas throughout the store
- // Ideal for use at the POS, kiosks and stock rooms with RFID tag reading distances from several inches to over two feet
- // Multiple installation options for a variety of environments: under counter, above counter or mounted on a wall
- // Uniquely identifiable when used with IDX-family RFID reader, allowing remote management and easy diagnosis and troubleshooting
- // Integrated LED Indicators provide visual confirmation of successful operation
- // Expedites checkout to decrease costs while improving customer satisfaction

Product Codes

IDA-1000-US-RS
Desktop Antenna
(North America), RP-SMA

IDA-1000-EU-RS
Desktop Antenna
(European), RP-SMA

Product Compatibility

Sensormatic IDX-2000 2-port
Multipurpose RFID Reader

Sensormatic IDX-8000 8-port
Multipurpose RFID Reader

TrueVUE™ Software

EPC Gen2 standard RFID Tag

Specifications

Length..... 21.6cm (8.5in)

Width 21.6cm (8.5in)

Depth 1.5cm (0.6in)

Cable

Length 2.43m (8.0ft)

Connector RP-SMA

SMA-TNC cable adapter included

Mounting Weight 0.4kg (0.9lb)

Mounting 2 slotted holes

Housing High-impact plastic

LED Indicators 1 red, 1 green

Controlled by software when connected
to IDX RFID Multipurpose Reader

Frequency Bands

US 902 – 928 MHz (FCC Band)

EU 865 – 868 MHz (ETSI Band)

Gain..... 3.3 dBiL

Beam Pattern..... 3dB width < =60°
(horizontal and vertical)

Polarization RHCP

Max VSWR (free space)..... < 2.0

Impedance (nominal)50 Ohm

Max Conducted Input Power..... 2W*

*Maximum legal input power determined by in-
country regulatory requirements

DC Resistance 10K Ohm

Environmental Constraints

Operating Temperature

0°C to 50°C (32°F to 122°F)

Storage Temperature

0°C to 70°C (32°F to 158°F)

Regulatory Compliance

Safety

UL 60950-1

CSA-C22.2.60950-1

EN 60950-11

CE This product is in conformity with
RoHS II Directive 2011/65/EU and REACH
Substances of Very High Concern as
defined in Regulation (EC) No 1907/2006
and subsequent amendments to both.

