



UHF RFID 16-Port Fixed Reader IDTS-IHZ16 (Impinj E710)

Model IDTS-IHZ16 · Brand: Identium



A sixteen-port fixed UHF RFID reader on the Impinj E710, reading up to 1,000 tags a second at up to 30 m, with Ethernet, serial, Wiegand and relay I/O for attendance, access, library and toll systems.

KEY FEATURES

- Ships with Identium ReaderSense — desktop configuration, live inventory, AISense tuning and Auto Mode HTTP POST to your own system
- Impinj E710 platform with dual power-amplifier circuit
- 16 × SMA antenna ports; reads up to 30 m, writes up to 8 m (site dependent)
- Up to 1,000 tags per second with multi-tag anti-collision
- RJ45, RS-232, RS-485, Wiegand and USB 2.0; 3 inputs and 3 relay outputs
- Java, .NET and C++ APIs plus a direct post API
- Aluminium, anti-shock housing, 170 × 120 × 25 mm

APPLICATIONS

School time attendance

Personnel tracking in plants

Library security gates

Door access control

Toll plaza lanes

Warehouse dock doors

SPECIFICATIONS

Model	IDTS-IHZ16
Chip	Impinj E710, dual power-amplifier circuit
Protocol	ISO/IEC 18000-6C (EPC C1 Gen2), ISO/IEC 18000-6B, Impinj Gen2X
Frequency	865–868 MHz (India, ETSI EN 302 208); 902–928 MHz (FCC Part 15) version
Output power	0–33 dBm (± 1 dBm), adjustable in 1 dB steps
Channel bandwidth	< 200 kHz
Frequency stability	$\leq \pm 10$ ppm
Work mode	Fixed or hopping frequency

Read speed	Up to 1,000 tags/s
Anti-collision	Multi-tag reading
Read range	Up to 30 m (antenna, tag and environment dependent)
Write range	Up to 8 m (environment dependent)
Ports	16 × SMA antenna ports
Interface	RJ45, RS-232, RS-485, Wiegand, USB 2.0 (Wi-Fi, Bluetooth can be added)
I/O	3 inputs, 3 relay outputs
Software	RSSI, antenna detection, online update, data filtering
API	Java, .NET, C++, direct post API
Housing	Aluminium, anti-shock design
Indicators	Power and status
Operating temperature	-20 °C to +70 °C
Storage temperature	-40 °C to +85 °C
Atmospheric pressure	86–108 kPa
Humidity	Non-condensing
Dimensions	170 × 120 × 25 mm
Weight	0.5 kg