

TTS500-XS

UHF Reading Station for Textile Services Applications

HID Textile Services' handheld terminals offer a convenient mobile linen inventory solution. Lightweight and compact, they embark a powerful RFID RAIN® (UHF) reader providing outstanding read and write performance.



DESCRIPTION

HID's TTS500-XS is a UHF RFID 'smart' reading station designed to comply with laundry standards and environments. It offers a high read rate in a small footprint design, ideal for limited spaces. It is an all-in-one station featuring the most advanced RFID technologies, combined with a powerful microcomputer embedding HID's Acuity cloud-based linen management platform. TTS500-XS therefore eliminates the need for external gateways and keeps operating even in case of network connectivity loss. The station can also be remotely managed for configuration, monitoring and upgrades.

TTS500-XS can be used as a table-top station where space is limited, or as a wall-mounted station. It can also be affixed to custom metallic portal structures for bi-directional check-in/ out control processes of RFID-enabled textile items. An optical detector triggers reads of RFID-enabled items when required.

KEY BENEFITS

- : High-performance, compact UHF station
- : Small in size and light weight
- : Can be used as a table-top or
- : wall-mounted station

KEY TECHNOLOGY HIGHLIGHTS

- : 865 to 928 MHz, EPC global C1 Gen 2, ISO 18000-63
- : Network failure proof
- : Can be remotely managed and upgraded

TYPICAL CONFIGURATION

- : Table-top
- : Wall-mounted
- : Portals and gate structures

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Base Model Number	DDP16378 (EU version) DDP16525 (US version)
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ELECTRONIC

Operating Frequency	865-868 MHz (ETSI) 902-928 MHz (FCC)
Communication Interface	Ethernet 10/100
Transmit Power	5 dBm to 31.5 dBm (30 dBm max for US version)
Power Supply	12 VDC, 3A
Host Protocol	ACUITY Platform

PHYSICAL

Dimensions	9 x 7.5 x 1.5 in (23 x 19 x 4 cm)
Weight	2.2 lbs (1 kg)
Casing	White casing, high-quality, scratch-resistant

THERMAL (AIR)

Storage	-4° F to 158°F (-20°C to 70°C)
Operating	32° F to 130°F (0°C to 55°C)

OTHER

Standards	EPC Global C1 Gen2, ISO/IEC18000-63
Additional Features	Optical detector to sense items placed on the surface 4 GPIOs, 3 external RF-ports (for additional antennas)