

LM

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LM Dental Tracking System is a solution for challenges in dental material handling, logistics and traceability. **Scan the QR and see the animation!**



LM Dental Tracking System *Reader Fact Sheet*



LM Dental Tracking System's (DTS) tray reader is a cutting edge multi-read UHF (Ultra High Frequency) RFID read point solution that offers ease in deployment due to its small size. With the antenna, cables and reader enclosed in a single table top tray it can be placed in any environment with minimal effect on the surroundings.

DTS's unit reader is a cutting edge single UHF RFID read point solution that can be mounted anywhere in the clinical area due to its small size.

Both DTS readers communicate over Ethernet or WiFi to the DTS server through encrypted HTTPS (see more info on Dental Tracking System Server Fact Sheet) creating the system environment, as a cloud service or local server.

The tray readers can be configured to be able to support single or multiple activities depending on the requirements and can be placed anywhere with minimal effect to the surroundings. The DTS readers are ideal for tracking dental instruments and materials.

More info on www.dentaltracking.com

Specifications

RFID

Standards Supported	EPC global UHF Class 1 Gen 2 multi tag reading / ISO 18000-6C
Supported Regions	Europe and other regions following ETSI EN 302 208 without LBT regulations (865-868 MHz) US, Canada and other regions following US FCC Part 15 regulations (902-928 MHz)
Antenna	Tray Reader: Circularly polarized antennas mounted at various angles Unit Reader: Custom high-performance omnidirectional PCB antenna

Connections

Network	10/100BASE-T auto-negotiated with auto-sensing MDI/MDX for auto-crossover (RJ-45)
Wireless	Ralink RT2800usb

IP

IP Address Configuration	DHCP
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Power Source

Supply Voltage	Nominal 12 VDC, range 12 to 30 VDC or AC
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Additional Information

Dimensions Tray Reader	310 x 340 x 55 mm (12.20 x 13.39 x 2.17 in)
Dimensions Unit Reader	180 x 110 x 32 mm (7.09 x 4.33 x 1.26 in)
Weight Tray Reader	2.1 kg (4,63 lbs) including power supply and silicone mat
Weight Unit Reader	0.5 kg (1.10 lbs) including power supply
Operating Temperature	10 °C to 30 °C
Humidity	10% to 85%