

DGT UH510



Series Overview

The DGT UH510 is a high-performance long-range UHF RFID reader designed for advanced tracking and access control applications. Operating under the ISO18000-6C (EPC GEN2) protocol, this terminal offers exceptional scanning sensitivity and robust performance across customizable frequency ranges. Its durable design makes it ideal for industrial tracking, vehicle access control, and asset management systems.

Functions

Long-Range Detection:

Delivers a powerful reading distance of 1–5 meters with dual polarization reading sensitivity.

High-Speed Reading:

Features rapid identification capabilities, reading a single 64-bit ID number label in less than 6 ms.

Flexible Signal Configurations:

Supports software-adjustable frequency power 0~30 dBm and frequency hopping (FHSS or fixed frequency).

Rich Integration Interfaces:

Equipped with versatile communication options including RS485, RS232, Wiegand 26, Wiegand 34, and RJ45.

Advanced Antenna Options:

Available with a built-in circular polarization antenna (8dBi gain) or a linear polarization antenna (12dBi gain).

Robust Environment Resistance:

Engineered to operate reliably in harsh temperatures ranging from -40°C up to +65°C.



Technical specification

Working Frequency	National standard(920~925MHz),America standard(902~928MHz),or customize other frequency
Support Protocol	ISO18000-6C(EPC GEN2)
Frequency Hopping	FHSS or fixed frequency set by software
Working Way	automatically reading card at regular time,can set reading card way
Frequency Power	0~30dBm,be adjusted by software
Reading Distance	1~5M
Reading Sensitivity	dual polarization reading
Reading Speed	one label 64 bit ID number < 6ms
Antenna	build-in circular polarization antenna,gain 8dB /build-in linear polarization antenna, gain 12dBi
Interface	RS485, RS232, Wiegand26, Wiegand34, RJ45
Working Voltage	DC+12V
Working Status Indication	buzzer
Power	1W
Working Temperature	-40°C ~ +65°C
Storage Temperature	-45°C ~ +95°C
Working Humidity	20% ~ 95%(no condensing)
Dimension	232mm*232mm*55mm

Product Size

