

DGT UH515



Series Overview

The DGT UH515 is an enterprise-grade, ultra-long-range UHF RFID reader engineered for high-speed vehicle tracking, logistics, and advanced access control. Operating under the standard ISO-18000-6C (EPC G2) protocol, this robust terminal delivers exceptional reading distances and rapid data processing. Its weatherproof structure ensures highly stable performance in demanding outdoor or industrial deployment zones.

Functions

Ultra-Long Reading Distance:

Achieves a highly stable tracking range of 12 meters, with a maximum scanning capability reaching up to 30 meters.

High-Speed Vehicle Recognition:

Accurately detects and processes tags on vehicles moving at high velocities exceeding 120 km/h.

Rapid Tag Identification:

Equipped with a fast processing core capable of reading a standard 64-bit ID number label in under 6 ms.

Powerful Integrated Antenna:

Features a high-gain 12 dBi horizontally polarized antenna for focused, long-range directional scanning.

Extensive Integration Interfaces:

Offers comprehensive connectivity options including Wiegand (26, 34, 42 bit), RS232, RS485, and a 10/100M Ethernet port.

Industrial Environmental Resilience:

Built to withstand harsh outdoor conditions, operating seamlessly in 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
Reading Distance	Stable is 12M. Maximal is 30M
Recognition Speed	>120km/h
Support protocol	ISO-18000-6C(EPC G2)
Antenna Gain	12dbi
Polarization	Horizontal polarization
Voltage	12VDC $\pm$ 10%
Reading Speed	one label 64 bit ID number < 6ms
Current	<400mA
Power consumption	<5W
Communications interface	Wiegand26bit,34bit,42bit, RS232,RS485,10/100M Ethernet
Operating Temperature	-40°C~+65°C
Storage temperature	60°C~ +85°C
Operating humidity	10% ~ 90% RH
Weight	6Kg
Product size	445x445x40mm

Product Size

