THEMIS TS-150 AND TS-250

HIGH PERFORMANCE WIRELESS SCANNING SOLUTION

Themis cordless RF handheld scanner TS-150 (1D) and TS-250 (2D) are designed for everyday use, when flexibility is demanded. They are equipped with advanced scanning and motion sensing technology, featuring powerful performance in scanning all popular 1D and 2D barcodes. This includes inverse and DPM symbol as well.

Utilizing "RF" transmission technology, working range of up to 200 meter is possible. The RF transmission offers 2 kind of topologies; the "Point Coordination" and "Distributed Coordination" topology. This allows the use of up to 2000 units to work in the same environment.

The ergonomically and rugged designed housing make the handheld scanner ideal for a wide range of business applications to improve productivity and minimizing data entry errors in retail, hospitality, manufacturing and more.

SPECIAL FEATURES

Powerful image sensor for advanced scanning performance
Omni-directional scanning (2D)
Auto. detect function for free-hand scanning
Barcode reading from displays (2D)
Bluetooth V2.1 + EDR, class2 is optional available

TS-150 | TS-250

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TS-150 | TS-250

ITEM	TS-150	TS-250
Dimensions	170mm (W) x 95mm (H) x 83mm (D)	
Weight	201g	222g
Environment	Operating / Storage — Temperature 0°~50°C / -40~60°C — Humidity 5% ~ 95% / 5% ~ 95%	
Drop Test	Multiple 1.5m drops to concrete	
IP Cass	IP52	
Reading Indicator	Beeper, LED	
Scan Rate	200 scans/sec.	752 x 480 pixel area image / 60 frames per sec.
Scanning Angle	±60°, ±40°, 360° (Skew, Pitch, Roll)	
Light Source	645 - 660nm +/-10 visible laser diode	-
Depth of Field min. Element Width	5 mil 40 - 110mm / 10 mil 10 - 280mm / 13 mil 15 - 315mm / 16 mil 25 - 385mm / 35 mil 145 - 630mm	3.5mil Code128 (9 chr.) 15 - 35mm / 5mil Code39 (20 char.) 08 -55mm / 13mil UPC (12 char.) 07 - 165mm / 20mil Code39 (5 char.) 35 - 210mm / 6.7mil PDF417 (20 char.) 00 - 75mm / 10 mil DM (20 char.) 00 - 115mm / 20 mil QR (20 char.) 00 - 195mm
Barecode Types	Reads all major 1D and GS1 DataBar symbologies	Reads all major 1D, GS1 DataBar and 2D symbologies
Radio Transmission	RF 430.5~432.0MHz, 433.05~434.79MHz, Optional: 2.4GHz Bluetooth, Class II (V2.1 EDR)	
Working Range	Up to 200 meter (open air)	
Battery	1400mAh Lithium-ion	
Charge Time	Fully charged (>80%) in 3.5 hours	
Standby Time	Over 7 days	
Read barcode per charge	Over 5 hours per charge	
Operating Current	Operating 90mA / Transmitting 150mA / Standby 12mA	Operating 230mA / Transmitting 160mA / Standby 160mA
Certifications	CE, LVD	

ITEM	CRADLE
Dimensions / Weight	97mm (W) x 213mm (H) x 75mm (D) / 189g w/o cable
Environment	Operating / Storage — Temperature 0°~50°C / -40~60°C — Humidity 5% ~ 95% / 5% ~ 95%
Drop Test	Unit operated after repeated 1.2m drops to concrete
Interface / Cables	RS-232, USB, PS/2, cable 2m straight
Input Voltage	DC +5V ± 0.25V

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