

SCANTECH ID

MT-4210/4220

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Introduction

MT-4210/4220 is designed for versatile applications from receiving, picking & packing, stock-replenishment, pricing & mark-down to stock-taking as whole work-flow as well as asset management up to user's working environment. It may serve not only in retail markets but also in warehouses, distribution centers, 3PL/4PL, logistics, postal services and even manufacturing along with following features below.

Adopting the two most famous OS (Operating System), which are Windows Embedded CE .NET 6.0 (MT-4210) and Windows Embedded Handheld 6.5 (MT-4220), customers maintain their existing legacy or back-end systems.

Powerful Wifi IEEE802.11b/g/n radio supports up to 100Mbps at 2.4Ghz bandwidth with top-notch securities including WPA and WPA2. The MT-4210/4220 is also CCX v.4 certified which provides a secure and compatible connection with industrial wireless networks.

The MT-4210/4220 is the most rugged in its class. It is 1.8 meter (6ft) drop resistance and IP65 water/dust proof as well as 1,000 cycles at 1meter-tumble. The MT-4210/4220 has IP65 rating compared with other products that are typically rated with IP54. Meaning it will last longer in harsher conditions which enables companies to minimize their TCO (Total cost of ownership) and down-time.



MT-4210/4220

Features

- Microsoft® Windows Embedded CE 6.0 (MT-4210) / Microsoft® Windows Handheld 6.5 (MT-4220)
- Marvell PXA300 624MHz
- Integrated 802.11 b/g/n WLAN radios
- Integrated Bluetooth v2.0 radio
- 1D and 2D bar code scanning options
- 1.8m (6ft) drop resistance, IP65 protection class
- 2.8", TFT, QVGA (240x320) color with touch screen
- Ergonomic, compact and robust design
- Comfort and easy to use with 23.5 degree for 2D tilted scanning angle to down side



Specifications

System Configuration

CPU	Marvell® PXA300 624MHz
Operating System	Microsoft® Windows Embedded CE 6.0 (MT-4210) Microsoft® Windows Embedded Handheld 6.5 (MT-4220)
System RAM memory	Windows Embedded CE 6.0: 128MB, Windows Embedded Handheld 6.5: 256MB
System ROM memory	Windows Embedded CE 6.0: 128MB, Windows Embedded Handheld 6.5: 256MB
Display	2.8 in. QVGA (240 x 320 pixels), 65K color TFT-LCD backlight, touch screen
Battery	Standard Battery: 3.7V, 2,200mAh Li-ion Extended Battery: 3.7V, 3,300mAh Li-ion (includes extended battery door)
Adapter	5V 2A, 100/240V AC
Audio	Built-in microphone and speaker
Vibration Motor	Built-in vibration motor

Operating Environment

Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F)
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
Humidity	95% humidity, non-condensing
Drop	Withstand multiple 1.8 meters (6 ft) drops onto concrete
Tumble	1.000 tumble (20.000 drops) at 1.0m (3.3 ft)
Sealing	IP65 standard for water and dust resistance
Electrostatic Discharge	+/-8kV contact; +/-15kV air

Structural Parameters

Dimensions	182 x 66.5 x 30.5mm / 7.16 x 2.62 x 1.2inch On top: 39mm / 1.54inch
Weight	Laser: 293g / 10.34oz (Standard battery), 318g / 11.22oz (Extended battery) Imager: 288g / 10.16oz (Standard battery), 313g / 11.04oz (Extended battery)

Accessories

Accessories	Hand-strap, STD battery, Stylus pen AC Adaptor, Belt-clip
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Communication Transmission

WLAN	Dual Mode 802.11 b/g/n (11 Mbps/54 Mbps) with Internal Antenna
WPAN	Bluetooth Class II (10 m) v2.0 Enhanced Data Rate (EDR) with on-board antenna, BQB certified

Input/Output Ports

USB Port	Full speed USB 1.1 from cradle
Charger Port	1 (DC port)
RS232 Port	1
Expansion slot	User accessible Micro SD Card up to 32 GB with SDHC support

Integrated Scanner

Scanner	1D Laser or 2D Imager engine (optional)
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Due to Scantech ID's continuing product improvement programs, specifications and features are subject to change without notice.