














# DS 5

## Rugged Mobile Computer

Purpose-built design to meet unique needs of heavy tasking mobile workers in work

-  Android 4.4 Kitkat  
CE 6.0  
WEH 6.5
-  One-hand Fitting Grip
-  3.5/4.3 inch Display
-  Rugged Display Construction
-  IP 67
-  1.8m Drop
-  Large Battery Capacity
-  WLAN Enterprise Class
-  Micro USB Charging & Sync
-  1D/2D Barcode
-  RFID
-  GPRS/EDGE Class 12
-  HSPA+



# Purpose-built design to meet unique needs of industrial mobility

## Feature

- One-hand fitting compact grip design large 3.5" and 4.3"
- Rechargeable and replaceable 5200 mAh extra large capacity battery
- IP67 certified and 1.8m drop resistance
- HF RFID (13.56 Hz) readability
- Easy swappable numeric keypad and full alphanumeric keypad
- Single microUSB cable simplifies charging and data sync
- Powerful ARM Cortex A8 1Ghz processor to handle superior performance to the most market demanding applications



## Extra long range scanning feature eliminates the distance limitation



DS5 is capable to equip a high configuration long range scanner for spacious facilities and environments. DS5's extra long range scanner performance goes beyond traditional long range scanners along with following features :

- 1D and 2D decoding capabilities
- Omnidirectional bar code scanning
- Close-range and far-range scanning
- Auto-focus

Barcode	Symbology	Reading Distance
1D	Code 39	15 cm - 1200 cm
1D	Code 128 retro-reflective	Up to 1300 cm
1D	EAN 100%	15 cm - 160 cm
2D	Data Matrix	15 cm - 1100 cm

# The most competitive mobile UHF RFID reader



## Market-leading performances

- Unique 4.3" large color display
- Fast and accurate tag reading
- Long range read up to 11m
- Integrated 5M pixel color camera
- Ergonomic and light weight (664g)
- Impinj Indy R2000 RFID solution

Item	Descriptions
Frequency	EU : 865-868MHz , US : 902-928MHz
Antenna	Circular polarized
Max TX Power	30dBm $\pm$ 1dBm
Power Control	5dBm to 30 dBm (1 dBm step)

## A True Rugged Android

DS5-AX is designed for Android OS platform under tough environment.

Interchangeable keypad will provide one-hand text input and data manipulation which enables workforce with glove to control the data without touching screen menu. Fully configured DS5-AX provides following features:

- Hexacore 1.7 GHz / 1.3 GHz processor
- Android Kitkat 4.4
- HSPA+
- IEEE 802.11a/b/g/n/ac
- Stand alone GPS
- 8MP Camera
- SE4750 2D Imager
- 1.8m drop resistance
- IP67
- Numeric / Alpha Interchangeable Keypad



## • Physical Characteristics

Characters	DS5	DS5W	DS5-AX
Display	3.5" 65K colors - VGA : 480X640 - QVGA : 320x240	4.3" 12m colors WVGA 480X800	4.3" 12m colors WVGA 480X800
Dimensions (mm)	212x78 (grip : 58)x37	225x78(grip : 58)x37	225x78(grip : 58)x37
Weight (g)	393g	410g	410g
Battery	Li-ion 3.7V 5200mAh Li-ion		
Backup Battery	120mAh Li-ion battery		70 mAh Li-ion battery
Operating System	Windows CE6.0, Windows Embedded Handheld 6.5		Android AOSP 4.4.2 KitKat
Processor	ARM Cortex A8 1Ghz		Exynos 5260 Hexa cores - Dual Cortex A15 1.7GHz - Quad Cortex A7 1.3GHz
Memories(RAM/ROM)	512MB/1GB		LPDDR3 2GB / 8GB
USB	High-speed USB2.0 (Host-Client)		USB2.0 On-The-Go (A-type)
External Interface	Micro USB, Micro SD slot, SIM slot (optional)	Micro USB, 3.5V TTL COM (Back side), micro SD slot, SIM slot (optional)	Micro USB, 3.5V TTL COM (Back side), micro SD slot, SIM slot (optional)
Sound & Mic	Louder Speaker, Receiver, Mic		
LED & Indication	Charging LED, Network LED, Scan alarm LED, Modifier key status LED, Vibration		
Keyboard (User swappable)	34 Numeric Keys (Numbers with Alpha, Programmable keys F1~F10) 54 Keys (Full Alpha & Numeric keys)		
Scanning triggers	4 trigger		
Sealing & Drop	IP67, 1.8m multi-drop resistance to concrete		
Storage Temperature	-30° C to 70° C		
Operating Temperature	-20° C to 70° C		
Humidity	95% non-condensing		
Regulatory	KCC, CE, RoHS, CCC, NAL, SRRC		

## • Physical Characteristics

WWAN	UMTS/HSPA+ : 800/850/900/1900/2100MHz, GSM/GPRS : 850/900/1800/1900MHz		
WLAN	IEEE 802.11 b/g/n (2.4Ghz), a/b/g (5.0Ghz Dual-band)		IEEE 802.11 a/b/g/n/ac
WLAN Security	WEP, WPA, -PSK(TKIP), WPA2-PSK(AES), 802.1X EAP-FAST, EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, PEAP-TLS, LEAP		
WPAN	Bluetooth Class II v2.1 with EDR		Bluetooth v4.0 Smart
Scanner	· 1D Laser SR/HD · 2D Imager SR · 2D Imager XLR	· 1D Laser SR · 2D Imager SR/HD	· 1D Laser SR · 2D Imager SR/HD
RFID	HF	13.56 MHz, ISO14443A/B, 15693, 18000-3	13.56 MHz, ISO14443A/B, 15693, 18000-3
	LF	N/A	N/A
	UHF	N/A	EPC Gen 2 UHF (860~960Mhz)
Camera	5.0M Pixel AF with Flash		8.0M Pixel AF with Flash
GPS	Stand alone, A-GPS		
Warranty	1 year manufacturer's warranty		

## • Enterprise Mobility Portfolio

- TE (IBM3270/5250, Telnet VT100/220/420 HP2392A, HP700/92, Fujitsu 6681, Quantum QNX, StratusV102/103/105)
- Hot key · Lock Application · SCU (WLAN management tool) for DS5 & DS5W

## • Default Accessories

- Micro USB cable for data sync and charging through PC · AC Adapter (USB type) · Screen protection film
- Stylus pen and string · Hand strap

## • Optional Accessories

- Desktop cradle : charging, Micro USB (Client), USB (Host), RS232 · Quad battery charger
- Micro USB data & charging cable · Shock absorber bumper · Desktop cradle -Eth: charging, mini USB (Client), USB (Host), Ethernet
- Vehicle cradle : Mounting only (power supply through micro USB) · Gun trigger (Barcode, UHF RFID)

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