

# Pegasus

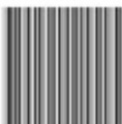
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## Mobile Data Terminal



# Pegasus PPT-5000

Features	Description
<b>*ALL IN ONE* Design</b>	Optional modules including 1D/2D barcode scanning, RFID cards/tags reading under UHF protocols, WiFi/GPRS/Bluetooth communication, GPS positioning and image capturing.
<b>More Rugged with Higher Industrial Standard</b>	Rugged structure with IP64 rating, better dust-/water-proof capability and 1.5 m drop survival to concrete to ensure high performance under various extremely environments.
<b>Expansibility &amp; Customization</b>	Various function modules such as infrared, fingerprint, thermal printer can be integrated according to specific project requirements.





# Specification of PPT-5000



## Physical characteristics

**Dimensions:** 186.5\*75\*38.9 mm

**Weight :** < 400 g (with battery)

**Screen:** 3.2" QVGA backlight TFT-LCD, 65 K colors.

240 x 320 (QVGA size)

**Touch panel:** glass analog resistive touch

**Backlight:** LED backlight

**Battery:** rechargeable li-ion polymer battery (3.7

V/4,000 mAh)

**Expansion slots:** SIM/SAM, Micro SD (TF) card

**Indicator:** LED

**Input method:** touch input and keyboard input

**Audio:** 0.5 watt

**Keyboard:** numeric, full alphanumeric

## Programming environment

.NET and C++ programming using Microsoft Visual

Studio 2005&2008 or higher

Software Development Kits (SDK) provided

## Operating system

Windows Embedded CE 6.0 core

Windows Embedded CE 6.0 pro

## Environmental

**Operating temperature:** -20 °C ~ 50 °C

**Storage temperature:** -25 °C ~ 70 °C

**Humidity:** 5% RH ~ 95% RH (non-condensing)

**Dropping survive:** 1.5-meter drop test on six sides

(concrete floor, under operating temp)

**Rolling survive:** 1,000 times, 0.5 meter, rolling by six

contact surfaces

**Environmental sealing:** IP64

## Performance

**CPU:** Samsung ARM920T@533 MHz

**Memory:** 128 MB RAM/1 GB Flash

**Expansion Memory:** 2G TF (standard), maximum 8G

**Interfaces:** USB 2.0; RS232



## LF

**Operating frequency:** 125 KHz, 134.2 KHz

**Protocol:** ISO11784, ISO11785

**Read/write range up to:** 3.15 in (8cm)

## HF

**Operating frequency:** 13.56 MHz

**Protocol:** ISO14443A/B, 15693 (optional)

**Read/write range up to:** 3.15 in (8 cm)



## 1D laser scanner

**Brand:** Symbol SE955

**Types:** UPC/EAN, Code128, Code39, Code93,

Code11, Interleaved 2 of 5, Discrete 2 of 5,

Chinese 2 of 5, Codabar, MSI, RSS



## 2D scan engine

**Brand:** Symbol SE4500

**Types:**

**1D:** all major codes;

**2D:** PDF417, MicroPDF417, Composite, RSS,

TLC-39, Datamatrix, QR code, Micro QR code,

Aztec, MaxiCode;

**Postal Codes:** US PostNet, US Planet, UK Postal,

Australian Postal, Japan Postal Dutch Postal (KIX)



## Wireless WAN

**Network (WWAN):** Wavecom GPRS/GSM

900/1800 MHz



## Wireless LAN

**WiFi:** muRata IEEE802.11b/g



## Wireless PAN

**Bluetooth:** Class II, 3-5 M



## PSAM

**Baud rate:** 9600, 19200, 38400, 43000,

56000, 57600, 115200

**SAM slots:** maximum 2



## GPS

**Module:** u-blox NEO-5Q

**Performance:** 50-channel u-blox 5 positioning engine, Internal GPS

**Localization time:** hot start-1 sec, warm

start-38 secs, cold start-42 secs



## Camera

**Samsung 3.2 mega pixels, 2048 (H)\*1536**

(V), QXGA



## Thermal printer

**Size:** 118\*99\*55 mm

**Communication:** Bluetooth 2.0; RS232

**Paper width:** 78 mm

**Accessories:** thermal paper, carrying case, power adapter, battery

## Accessories

**Standard:** battery, charger/adaptor, data

cables, stylus, carrying case, hand strap,

2G micro SD (TF) card, protective film

**Optional:** cradle, thermal printer

**Refer to Accessories Appendix**



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