

All-in-one Printer, RFID, Barcode Technologies

C5050 PRINTER-EMBEDDED HANDHELD

The true All-in-one handheld device coming with A build-in Thermal Printer, RFID technologies, Barcode Scanners. Equipped 4 inch larger LCD screen. Expanding a sufficient new hardware family to mobile POS from Chainway handheld terminal.



The Portable Printer is Ready!

2 inch Thermal Printer is now inside C5050, Just forget about any additional mobile printers, hold only C5050 and enjoy all the benefits.

Popular RFID Technologies

The support to popular HF band or LF band RFID, Work-ing with various RF contact less tags.

Top Barcode Engines Integrated

Optimized OEM engine from Symbol, A single scan to accurate barcode data, The continuous workflow with rare down time.

Larger LCD Display

4 inch LCD display with resolution 480 plus 800 pixels, Bringing the bigger overview to enormous information, The industrial level LCD provides Readability in direct sunlight.

Larger Battery Capacity

Rechargeable Li-ion polymer battery with capacity up to 4500mAh, Less down time to wait, The stronger confidence to work more hours.

Continuous Support

Chainway Live! support, Tel support, Email support, etc. Chainway is Always with you.

PARAMETER PAGE

PHYSICAL CHARACTERISTICS

Dimension	213 × 86 × 54mm / 8.38 × 3.38 × 2.12in.
Weights	450g / 15.87oz. (includes battery, printer and scanner)
Display	4in. 480 × 800 LCD touch screen, 65k colors
Expansion	1 SIM, 1 MicroSD, 2 PSAM
Interface	USB 2.0 Mini-B, interface
Audio	Stereo speaker
Keypad	Numeric keypad, 2 side buttons
Batteries	Rechargeable li-ion polymer 3.7V 4500mAh

PERFORMANCE CHARACTERISTICS

CPU	Samsung ARM920T@533MHz
Memory	128MB RAM
Storage	Build-in 1GB Flash, MicroSD (Max.32GB expansion)

PROGRAMMING ENVIRONMENT

OS	Windows Embedded CE6.0 Core Windows Embedded CE6.0 Pro (Optional)
SDK	Chainway SDK
Language	C#, C++, VB.NET
Tool	Microsoft Visual Studio 2005/2008

USER ENVIRONMENT

Operating Temp.	-20 to 50°C / 14 to 122°F
Storage Temp.	-25 to 70°C / -13 to 158°F
Humidity	5% RH-95% RH (noncondensing)
Drop	1.2m / 3.9ft drop, 6 sides (concrete floor under operating temp.)
Tumble	1,000 times, 0.5 m / 1.6ft, 6 contact surfaces
Sealing	IP4X
ESD	15KV air discharge, 8KV conductive discharge

COMMUNICATION

WLAN	IEEE802.11b/g/n, internal antenna
WWAN	GSM / GPRS / EDGE (850 / 900 / 1800 / 1900MHz)
WPAN	Bluetooth v2.0+EDR, range 5 - 10m

GPS (OPTIONAL)

GPS/AGPS	u-blox NEO-6M low energy GPS chip
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PSAM SECURITY (OPTIONAL)

Baud rate	9600,19200,38400,43000,56000,57600,115200
Protocol	ISO7816
Slot	2 slots

THERMAL PRINTER

Print method	Direct thermal line printing
Output mode	Black&White
Resolution	203 dpi (8 dots / mm)
Print speed	Up to 70mm/s (2.8ips)
Paper roll width	57±1 mm / 2.28in. (2 inch roll standard)
Max. print width	48mm / 1.88in.
Print content	Text, Images, Curves, 1D barcodes, 2D barcodes.
Life span	100M pulses or 50km

BARCODE SCANNER

1D Linear Scanner (Optional)

1D Laser/CCD	Symbol SE955 / SE655
Symbologies	All major 1D barcodes

2D Imager Scanner (Optional)

2D CMOS Imager	Symbol SE4500
Resolution	752(H) × 480(V) pixels
Angle	360°
Symbologies	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), etc.

RFID LF BAND (OPTIONAL)

Frequency	124kHz, 134kHz (FDX-B / HDX)
Protocol	ISO11784 / 11785
Chips	1)R/O ID, Eg, EM4100 / 4200, TK4100 2)R/W ID, Eg, EM4305 / HITAG S series
R/W range	2 - 8cm (FDX-B), 2 - 16cm (HDX)

RFID HF BAND (OPTIONAL)

Frequency	13.56MHz
Protocol	ISO14443A, 14443B, 15693
Chips	1) MF1 (S50 / S70), MF0 (Ultralight), Mf3 (Desfire D40 / D41 / D81), CPU_A 2) CPU_B 3) ICODE II, I2048, LRI64K
R/W range	2-8cm / 0.79-3.15 in.

CAMERA (OPTIONAL)

Camera	3.2MP with LED flash
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ACCESSORIES Standard



AC adapter



USB data cable



Stylus passive



Paper roll