

OVERVIEW

Handheld Industrial Computer (HIC), is a stylish, compact, high performance and cost-effective handheld computer. This handheld computer combines mobile data collection and communications, targeted for applications in AFC, retail POS, field sales and support, and data collection.

HIC is based on a 200/266 MHz Samsung **ARM9** S3C2410 processor, and is equipped with 64 MB of SDRAM and 32 MB of FLASH memory. It is running on ARM **Linux 2.6** platform.

HIC provides an embedded Contact-less Smartcard/RFID card reader, Smart IC card reader, on-board 2 inch thermal printer, and an optional three-track magnetic stripe-reader; and built-in GPRS/GSM wireless modems with GPS (optional) / GSM location tracking. The HIC support both USB and RS 232 interface via an optional docking cradle.



APPLICATIONS

Portable Ticketing Inspection Device
PTID
Automatic Fare Collection AFC
e-Governance
Financial Inclusion Device/Micro
Financing
Law Enforcement – Immigration/Police
Mobile Point of Sale mPOS.
Logistics/Warehouse
Data Collection
RFID Terminals
Library / Rental Service
Hospital Patient Management
Gym / Club Member Management
Loyalty Program

FEATURES HIGHLIGHT

Processor – Samsung ARM9 S3C2410
Memory – 64MB SDRAM, 32MB FLASH,
Micro-SD Flash Card
Display – 320x240 QVGA TFT LCD
Keypad – Secure Keypad
Thermal Printer--2 inch fast and silent
Card Readers

- Contact-less Card Reader

Secure SAM Card Slot (Internal)
Real Time Clock
Communication

- USB
- RS232

Wireless Interface

- GPRS/GSM
- GPS(optional) / Location Tracking

Plug-In Expansion Modules

- Fingerprint Sensor Optical **NEW**
- Bar Code Sensor **NEW**

Battery – 7.4V/3300mAH Li-Polymer

SPECIFICATIONS

Physical Characteristics

Dimensions:	285(L) x 92(W) x 44(H) mm
Weight (including battery)	750 g
Display:	320 x 240 QVGA TFT LCD supports 16.7 Million colors
Keypad:	20 Keys on Top for PIN / Data-entry, 8 Function Keys Side
Audio:	Beeper
Battery:	Removable Intelligent Li-Polymer battery 3300mAh @ 7.4V with integrated fuel gauge, power monitoring, protection

Performance Characteristics

CPU:	Samsung ARM9 S3C2410 processor
Operating System:	Linux 2.6
Memory (RAM/ROM):	SDRAM 64MB; FLASH 32MB; SD Card internal slot (1GB)
Real Time Clock	In build with internal battery back-up
Communications:	RS232, USB 1.1
Contactless Reader:	ISO14443 type A/B Mifare ; Read / Write distance 50mm
IC Card Reader:	ISO 7816, EMV-certified, Full size (External access) SAM size (Internal access)
Magnetic Card Reader:	ISO 7811/7810 3 track (optional)
Printer:	Thermal 384 dots per line, max printing speed 60mm/sec
Wireless:	GSM/GPRS Dual Band GSM 900/1800Mhz, GPRS Multi slot Class 10; internal antenna; SIM card slot;
Real Time Location Tracking	High Performance self-contained GPS Receiver(optional) / GSM Location based tracking
Charging Circuitry	In-built intelligent Battery charging circuit with current and voltage monitoring and control.

Peripherals and Accessories

Cradles:	Single-slot USB/RS-232/Ethernet/charging cradle
Power Charger	AC 120~250V Input / DC 12V to power intelligent charger circuit in-built device
Communication and Charging Cables:	USB, RS-232 communication and charging cable
Paper roll:	2" wide, 56mm diameter

User Environment

Operating Temperature	5°C to +50°C
Storage Temperature	-20°C to +50°C
Humidity:	15% to 95% relative humidity, non-condensing

Regulatory

Important: Specifications provided in this datasheet are only for reference purpose. Final specifications will be confirmed on receipt of customer requirement.

FUNCTIONAL DETAILS



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