



## Rugged Mobile Computing / IC-8



*MSR*



*RFID*



*Barcode Scanner*

# IC-8

System	
CPU	Intel® Atom Processor Dual Core N2600 1.6GHz / 1M L2 Cache
Memory	1 x 204-pin DDRIII SO-DIMM Socket support / up to 2GB
Chipset	Intel Express Chipset NM10
Storage	MSATA SSD 32G up to 256G
Operating System	Microsoft® Windows® Embedded Standard 7 / Windows® 7 Professional / Linux
Display	TFT LCD 8 inch Touch type: 4 Wires resistive type. Option: Capacitive type Backlight Type: LED Display Resolution: 1024 x 768 (XGA) Luminance: 500 nits Sunlight readable
Network Interface	Integrated WLAN 802.11 b/g/n Integrated Blue Tooth 3.0
Finger Print	E-field Swipe Fingerprint Sensor
Data Security	TPM 1.2
Control Switch and Buttons	1 x Power on/off button 1 x Barcode Scanner trigger button 1 x Function Key button (default on/off control WIFI, BT, 3G, GPS) 3 x Function Keys (user define)
Indicator	1 Power / 1 HDD / 1 Battery status LED
Speaker & Microphone	Built-in speaker & microphone
Brightness adjustment	Hardware
Interfaces	
USB	2 x USB 2.0 Type A
DC Jack	1 x DC Power input (16V / 4A)
RS-232	1 x DB-9 RS232 Full function connector
Micro SD	1 x Micro Secure Digital (SD) card slot
Expansion Docking PORT	1 x 24 pin docking connector (Interface include Power, USB, Audio)
RJ45	1 x 10/100 Ethernet, Support POE (Power-Over-Ethernet applications up to 25.5W)
SIM Socket	1 x SIM socket (located underneath the external battery pack)
HDMI	1 x Mini HDMI connector
Power	
AC/DC Adapter	Input AC: 100~240V Output DC: 16V / 4A
Battery Pack	Internal battery, one cell DC 3.7V/ 920mAh External 3S2P, 6 Cell, DC 11.1V/ 6200mAh Support Hot Swap
Physical	
Dimensions	251 x 181 x 30 (mm) (9.8" x 7.1" x 1.1")
Weight	1.3Kg (2.8lbs) with batteries

Option Functions	
3G	WCDMA R99: maximum data rate of 384 kbps HSDPA : Downlink Category 8 (7.2 Mbps) or 10 (14.4 Mbps) HSUPA : E-DCH data rates of up to 5.76 Mbps for 2 ms TTI (UE category 6) uplink GSM R99 : Supports CS SMS GPRS : CS schemes – CS1, CS2, CS3, and CS4 CDMA 1xEV-DO : High-speed peak data rates of 3.1 Mbps on the downlink and 1.8 Mbps on the uplink CDMA1x : Supports up to 153.6 kbps data throughput on both forward and reverse links EDGE : Downlink coding schemes – CS 1-4, MCS 1-9
GPS	High performance positioning engine. Support 50 channels. GPS L1 Frequency, C/A code. SBAS: WAAS/ EGNOS/MSAS
Camera	Front (2M) & rear (5M) dual CMOS Camera
Bar code scanner 1D or 2D (UART Interface)	1D symbologies: EAN/UPC, GS1 Databar (limited expanded & omni-directional), RSS, Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved/Matrix/ Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen, postal codes (Australian Post, BPO, Canada Post, Dutch Post, Japan Post, PostNet, Sweden Post) 2D symbologies: Data Matrix, PDF417, Micro PDF 417, Codablock Maxicode, QR, Aztec GS1 composite codes Scan rate : 2D mode: 56 images/s auto adaptive Scan Angle : 38.9° (Horizontal), 25.4° (Vertical) Optical resolution : 752 (H) x 480 (V) pixels, 256 gray levels Print Contrast : down to 25% Version : Standard range and high density
MSR (USB Interface)	Media formats: ISO 7811, AAMVA, and other F2F formats Swipe speed: 7 to 150 cm per second, bi-directional Operating Life: 1,000,000 cycles minimum
Smart card reader	Operates ISO 7816 microprocessor or memory card Transfer rates: 9600 to 115200 bps Operating Life: 1,000,000 cycles minimum
RFID	13.56 MHz Mifare DESFire Reader / ISO 15693 Reader Reading distance: 30mm ~ 50mm depending on tag types
Accessories	
Included	Stylus, Shoulder strap, Hand strap
Optional	Docking station: 4 x USB, 1 x RS-232, 1 x VGA, 1 x RJ45, 1 x DC in, 1 x Earphone, 1 x Microphone, Battery charging bay Vehicle & Wall mount: Standard VESA & DC in 12V vehicle adapter

Operating Temperature	-10°C (-14°F) to +50°C (122°F) <0.5°C / min; 24 hr cycle x 3 cycles	MIL-STD-810G Methods 501.5, 502.5	Operating
Storage Temperature	-20°C (-40°F) to 70°C(158°F) <0.5°C / min; 24 hr cycle x 7 cycles	MIL-STD-810G Methods 501.5, 502.5	Non-operating
Relative Humidity	95% @ 40°C (104°F) 3 x 24 hr cycles	MIL-STD-810G Method 507.5	Operating
Dust Protection	IP6x (dust)	IEC 60529 /AC2:2007	Operating
Water Protection	IPx5 (water)	IEC 60529 /AC2:2007	Operating
Vibration	Fig 514.6E-1 & 514.6E-2.	MIL-STD-810G-514.6, Procedure I Cat. 24,	non-operating
Drop Test	120CM(47") drop, 2» plywood over concrete, each edge, face and corner; 26 drops total (@ ambient temp)	MIL-STD-810G Method 516.6 Procedure IV	Operating
Regulatory	CE / FCC Class B / FCC ID / EN 60950-1 2005		



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