Rugged Embedded for you

Rugged Mobile Computing / IMT-8

MSR

RFID

Barcode Scanner

IMT-8

System	
CPU	MT6577 Dual core 1GHz
Memory	LPDDRII 1G
Storage	eMCP 8G
Operating System	Android 4.1
Display	TFT LCD 8 inch
	Touch type : 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 4.0
	3G : WCDMA 900/2100MHZ / HSPA 7.2/5.76, 3GPP R6 / GSM/ GPRS/EDGE: 850/900/1800/1900 MHz
Control Switch and Buttons	1 x Power on/off button
	1 x Barcode scanner trigger
	1 x User define
	1 x User define
Indicator	3 (power, charging, system operation status)
Light sensor	Surport
E-Campass	Surport
Gyro	Surport
Gravity Sensor	Surport
Speaker & Microphone	Built-in speaker & microphone
I/O Ports	
USB	Micro USB x 1
DC Jack	1 x DC Power input
RS-232	1 x RS232 connector
Micro SD	1 x Micro Secure Digital (SD) card slot
Expansion Docking PORT	16 pin docking connector
RJ45	1 x 10/100 Ethernet
SIM Socket	1 x SIM socket
Power	
AC/DC Adapter	Input AC: 100~240V Output DC: 16V / 4A
Battery Pack	Internal battery, one cell DC 3.7V/920mAh
	External 3S2P, 3 Cell, DC 11.1V/3100mAh
	Support Hot Swap

Physical	
Dimensions	251 x 181 x 30 (mm) (9.8" x 7.1" x 1.1")
Weight	1.2Kg with battery
Environment	
IP Code (IEC 529)	IP 65
Vibration	MIL-STD-810G Random: 20~2000 HZ / 7.69G
	MIL-STD-810G Sine : 5~500 HZ / 2G / 5G
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C (Non Condensing)
Regulatory	CE / FCC Class B
	EN 60950-1 2005
Drop (Body)	120 cm
Option Functions	
GPS 1	MT6577 original GPS
GPS 2	High performance positioning engine. Surport 50 channels.
	GPS L1 Frequency, C/A code. SBAS: WAAS/ EGNOS/MSAS
Camera	Front (2M)& rear (5M)dual 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

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 / EN 60950-1 2005		

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