

Rugged MOBILE Computing

10" TFT LCD Panel 1280x800 Sunlight readable 800 nits Capacitive Touch Panel, ARM processor 8 cores 2.3GHz CPU LPDDRII 2G, eMCP 16G, Android 8.1 Bluetooth 4.0 Wireless LAN: IEEE 802.11b+g+n, 4G: FDD_LTE: Band 3/4/7/8/20 WCDMA: Band1/2/5/8 TDSCDMA: Band34/39, GSM/GPRS/EDGE: Band2/3/5/8 GPRS/EDGE Class 12, CDMA2000(EVDO) 800 GPS NO Battery No vehicle mount (no VESA) IP65 The power consumption is 5W 12V DC input



MODEL: MMBW1010AO2-BC



MSR



Barcode Scanner



RFID

SPECIFICATIONS:

System	
CPU	Octa-core ARM Cortex-A53,2.3GHz+1.8GHz 512 KB unified L2 cache
Memory & Storage	LPDDR3 2G + 16GB eMMC
Operating System	Android 8.1
Display	TFT LCD 10.1 inch Touch type : Capacitive type Backlight Type : LED Display Resolution : 1280 x 800 (XGA) Luminance : 350nits Sunlight readable, 700nits is optional
Speaker	Built-in speaker, 1W / 8 ohm
Microphone	Built-in microphone, -35/+3 db, 2.2 Kohm, S/N: 58 db
Brightness adjustment	Software
Light Sensor	Support
E-Campass	Support
Gravity Sensor	Support
Build in Function	
WiFi	802.11 a/b/g/n
Bluetooth	v2.1+EDR, 3.0+HS,v4.1+HS
Communication	LTE-FDD:B1,2,3,5,7,8,20; LTE-TDD:B34,38,39,40,41 WCDMA, TD-SCDMA, EVDO, CDMA, GSM
Navigation	GPS/ GLONASS/ BEIDOU/ GALILEO/ A-GPS
I/O Ports	
USB	1 x USB 2.0 Type A
RS-232	1 x RS232 connector
DC Jack	1 x DC Power input
RJ45	1 x 10/100 Ethernet Support POE (Power-Over-Ethernet applications up to 25.5W)
Micro SD	1 x Micro Secure Digital (SD) card slot
SIM Socket	1 x Micro SIM socket (3G/4G only)
Audio Jack	1 x Ø3.5mm, Audio Line out / Microphone
Expansion Docking	16 pin docking connector

Control Buttons	1 x Power on/off button 1 x Barcode Scanner trigger button 4 x Function Keys
Indicator	1 Power / 1 Battery status LED
Option Functions	
Bar code scanner	1D or 2D(UART Interface)
Camera	rear (8M)
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
RFID	13.56 MHz Mifare DESFire Reader / ISO 15693 Reader Reading distance: 30mm ~ 50mm depending on tag types Long distance UHF RFID
Smart card reader	EMV 4.0 Level 1 spec certif ed Based on ISO7816 implementation Support PC/SC 2.0 Smart Card industry standard
Power	
AC/DC Adapter	Input AC: 100~240V Output DC: 16V / 4A
Battery Pack	2 x External 3S1P, 3 Cell, DC 10.8V/3400mAh
Environment	
Operating Temperature	-10°C (14°F) to 50°C (122°F) , 0.5°C/min; 24 hr cycle x 3
Storage Temperature	-20°C (-4°F) to 70°C(158°F) , 0.5°C/min; 24 hr cycle x 7
Relative Humidity	95% @ 40°C (104°F) , 3 x 24 hr cycles
Physical	
Dimensions	306 x 207 x 40(mm)
Weight	1.4Kg with battery
Accessories	
Included	Shoulder strap
Optional	Docking station: 4 x USB, 1 x RS-232, 1 x RJ45, 1 x DC in, Earphone, Microphone Vehicle & Wall mount: Standard VESA & DC in 12V~36V vehicle adapter, Stylus, 2 bay battery charger, Hand strap (rotated)

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Operating	-10°C (14°F) to +50°C (122°F)		Operating
Storage	-20°C (-4°F) to 70°C(158°F)		Non-operating
Dust Protection	IP6x (dust)	IEC 60529 13.4 test Edition 2.1 2001-2	Non-operating
Water Protection	IPx5 (water)	IEC 60529 14.1/14.2.5 test Edition 2.1 2001-2	Non-operating
Vibration	5 Hz to 500Hz 2g/5g rms	MIL-STD-810G-514.6.E-2 Sine	Non-operating
	20Hz to 2000 Hz 7.69g rms	MIL-STD-810G-514.6.E-1 Random	Non-operating
Drop Test	Drop Height: 1200mm		Non-operating
	Drop Onto: 4 corner 4 Edges 2 Faces		
Regulatory	CE / FCC / FCC ID / EN 60950-1 2005		

