



IP65 Rugged Tablet PC Wide 10.1" Touch Intel® Atom Bay Trail-M Processor Quad Core N2930 1.83GHz 1 x 204-pin DDR3L SO-DIMM, 8GB Memory, 512G SSD
Touch type: Capacitive type. Option: 4 Wires resistive type
Backlight Type: LED
Display Resolution: 1024 x 768 (XGA)
Luminance: 700 nits Sunlight readable
Support Ubuntu 18.04

MODEL: MMBW1010-BU



MSR



Barcode Scanner



RFID

SPECIFICATIONS:

System	
CPU	Intel® Bay Trail-M Quad Core N2930 1.83/2.16GHz
Memory	1 x 204-pin DDR3L SO-DIMM Socket support up to 8GB
Storage	mSATA SSD 32G up to 512G
Operating System	Windows® Embedded 7 Standard / Linux Windows® Embedded 7 Professional Windows® Industry Pro 8.1 Windows® 10 IoT Enterprise 2016 LTSB for Small Tablets Linux Ubuntu 18.04
Display	TFT LCD 10.1 inch Touch type: Capacitive type Backlight Type: LED Display Resolution: 1024x768 Luminance: 700 nits Sunlight readable
Network Interface	Integrated WLAN 802.11 a/b/g/n/ac 2.4/5G Dual Band Integrated Blue Tooth 4.0
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 defne)
Indicator	1 Power / 1 SSD / 1 Battery status LED
Speaker &	Built-in speaker & microphone
Interfaces	
USB	1 x USB 2.0, 1 x USB 3.0
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 16 pin docking connector (Interface include Power, USB , Audio)
RJ45	1 x 10/100/1000 Ethernet, Support POE (Power-Over-Ethernet applications up to 25.5W)
SIM Socket	1 x Micro SIM socket
Audio Jack	1 x Ø3.5mm, Audio Line out / Microphone
Power	
AC/DC Adapter	Input AC: 100~240V Output DC: 16V / 4A
Battery Pack	External 3S1P(3 cell) x 2 pack, DC 10.8V/ 3400mAh x 2 Support Swap
Physical	
Dimensions	306 x 206 x 40 (mm)
Weight	1.5Kg with batteries

Option Functions	
WWAN	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 CDMA 1x : 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. Surport 56 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)	Sensor: CMOS sensor with 640 x 480 pixel resolution Typical frame rate: 30 frames per second Field of View: Horizontal: 37.8°, Vertical: 28.8° Scan Angles: Tilt: 360°, Pitch: ± 45°, Skew: ± 45° Symbol Contrast: 35% minimum print contrast ratio 1D Symbolologies: Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC 2D Symbolologies: 2D Stacked: Codablock A, Codablock F, PDF417, MicroPDF417 2D Matrix: Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible(Han Xin) code Postal Codes: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet
MSR (USB)	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
Finger Print	TECTC1 256x360 pixels, 508dpi, 18mmx12.8mm image area
RFID	1. HF RFID : 13.56 MHz Mifare DESFire Reader / ISO 15693 2. UHF RFID : 860~ 960 MHz
Accessories	
Included	Shoulder strap
Optional	Docking station: 4 x USB, 1 x RS-232, 1 x VGA, 1 x RJ45, 1 x DC in, Earphone, Microphone Hand strap R Vehicle & Wall mount: Standard VESA & DC in 12V~36V vehicle adapter, Stylus, 2 bay battery charger

Rugged MOBILE Computing

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		

