DATA SHEET

AGILLOX

AGX MB101
10inch industrial RFID tablet PC

Product Description

Performance

The AGX MB101 Tablet PC is a full rugged and powerfully equipped tablet PC. This rugged tablet PC integrated with 10.1" touch screen and a high performance, low power consumption Intel® BayTrail-M Quad-Core 1.8GHz processor. With options for a 1D/2D barcode scanner, HF-RFID, and dual front & rear camera, these rugged tablets offer seamless information capture for immediate transmission. The AGX MB101 is a fan less design and compliant IP65 water and dust proof protection. This robust tablet PC AGX MB101 works up to full 16* hours with one time battery charge. With an outdoor-viewable display integrated with touch screen, the rugged mobile PC AGX MB101 performs efficient outdoor as well. The AGX MB101 offers a blend of performance, integrated features and mobility. Rugged tablet PC AGX MB101 helps every user to work smarter and more effectively. This industrial level tablet AGX MB101 also helps to achieve e-paper for environment protection.

Efficiency

Due to all these features and functions the AGX MB101 can satisfy almost every application requirement or mobile need. Data transfer via WLAN, BT or USB is not a problem and with the 3,5G modem it allows full connectivity even in the field. Permanently online processes will improve in the shortest time.

Ergonomie

The AGX MB101 has an 10.1-inch IPS LED backlight (1920x1200 WUXGA) Touch Display. LED back light and sunlight readable makes it most ergonomic day and night. With a size of 271.8 x 197.2 x 19 mm (10.7 x 7.76 x 0.75 inches) and low weight of 1,2kg (incl. battery pack) it is handy at any moment of time.

Article no:		**AGX MB101**

Typical Applications

•Manufacturing	•Health Care	•Vehicle Maintenance & Diagnostics	
•Access Control	•Education	•Automotive	•Security
•Gaming	•Hospitality	•Retail & POS	
•Insurance	•Transportation	•Home Automation	

Technical Specifications	AGX MB 101

System	
CPU	Intel ® BayTrail-M Quad-Core 1.8GHz
RAM	4GB SODIMM DDR3L-1600 (up to 8GB)
Storage	64GB mSATA MLC SSD (up to 256GB)
Operating System	Microsoft® Windows® Embedded Standard 7 / Windows® 7 Professional / 8 Standard / 8.1 Industry Pro
Display	TFT LED 10.1 inch Multi-Touch Projective Capactive Backlight Type: LED Display Resolution: 1920x1200 WUXGA Luminance: 700 nits Sunlight readable
Display Resolution	1920x1200 WUXGA
Contrast Ratio	800:1
Network Interface	Integrated 802.11 a/b/g/n Integrated Bluetooth 4.0 Dual Mode (Classic + Low Energy) Class I
Control Switch and Buttons	1 x Power, 1 x Home, 2 x Programmable Function Key, 2 x Volume Key
Indicator	1 Power / 1 HDD / 1 Battery status LED / RF
Speaker & Microphone	2 Built-in speaker & microphone
Sensors	Light sensor, G sensor, Gyrometer, E-compass

I/O Ports	
USB	1 x USB3.0 Type A
DC Jack	1 x DC Power input (12-19V DC)
RS-232 / RJ45	1 x 30-pin Combo Conn (Giga-LAN or RS232)
Docking PORT	1 x 24 pin docking connector (Interface include Power, USB , Audio)
SD	1 x Micro SD Slot
HDMI	1 x Micro HDMI (optional),

Power	
AC/DC Adapter	Input AC: 100~240V Output DC: 12-19 VDC
Battery Pack	7.4V, typ. 5300 mAh Li-Polymer Battery (2S1P) 7.4V, typ. 10600 mAh Li-Polymer Battery (2S2P, optional)
Battery Operation Time	Std. Battery: 8 hours**** High Capacity Battery: 16 hours****

Mechanical	
Dimensions	271.8 x 197.2 x 19 mm (10.7 x 7.76 x 0.75 inches)
Weight	1.2 kg (2.7 lbs) with standard battery, 1.4 kg (3.1 lbs) with optional high capacity battery

Environment	
Water & Dust Resistance	IP 65
Vibration & Shock Resistance	MIL-STD-810G
Temperature	Operation: 20°C to 60°C (AC mode), -10°C to 50°C (Battery mode)
Humidity	10% – 90% (non-condensing)
Regulatory	CE, FCC, IC, RoHs, UL60950, EN60601**

Option Functions	
3G	Optional 4G (LTE,HSPA+,GSM/GPRS/EDGE,EV-DO Rev A, 1xRTT) or optional 3G (HSPA+,GSM/GPRS/EDGE)
GPS	u-Blox Neo-6Q
Camera	5MP Auto-Focus Camera with LED Flash at rear / 2MP Camera at front side
Bar code scanner 2D	Short range 1D/2D Intermec EA30 Barcode Reader (optional)
RFID (LF & UHF in preparation)	13.56 MHz Mifare DESFire Reader / ISO 15693 Reader Reading distance: 30mm ~ 50mm depending on tag types and environment

Technical Specifications	AGX MB101 Docking Station
299.44 x 121.14 x 62.00 mm	Power Input: 12 VDC IN (Default) 9 -36 VDC IN (Optional)
RS232 Port x 1	Vehicle Dock : MIL STD. 810G, 5 ~ 500Hz, 2.24G
DC Jack x 1	
RJ45 Port x 1	
USB 2.0 Port x 4	
Phone Jack x 1	
Audio Jack x 1	Color: Black

AGX MB101 Accessories

Desktop Cradle

Vehicle Dock Cradle

High Capacity Battery

Battery charger

Hand Strap

Shoulder Strap

Carry bag

Car / Truck power supply and cables

11-32V Car & Truck Power Adapter

LAN Cable

RS232 Cable