DATA SHEET

AGILLOX

AGX TPC 8
8inch industrial
RFID tablet PC

Product Description

Performance

The AGX TPC8 Tablet PC is a full rugged and powerfully equipped tablet PC. This rugged tablet PC integrated with 8" touch screen and a high performance, low power consumption Intel® Atom™ Bay Trail quad-core processor. The new Atom Bay Trail solution performs brilliantly with low power consumption. The GPU is even 5 times efficient than Cedar Trail. With options for a 2D barcode scanner, magnetic stripe reader, smart card reader, RFID, and dual front & rear camera, these rugged tablets offer seamless information capture for immediate transmission. AGX TPC8 is a fan less design and compliant IP65 water and dust proof protection. This robust AGX TPC8 works up to full 10 hours with one time battery charge and supports hot swap. With an outdoor-viewable display integrated with touch screen, the rugged mobile AGX TPC8 performs efficient outdoor as well. The AGX TPC8 offers a blend of performance, integrated features and mobility. Rugged tablet PC AGX TPC8 helps every user to work smarter and more effectively. This industrial level tablet AGX TPC8 also helps to achieve e-paper for environment protection.

Efficiency

Due to all these features and functions the AGX TPC8 can satisfy almost every application requirement or mobile need. Data transfer via WLAN or USB is not a problem and with the 3G modem it allows full connectivity even in the field. Permanently online processes will improve in the shortest time.

Ergonomie

The AGX TPC8 has an 8-inch TFT (1024X768 XGA) LCD Touch Display. LED back light and sunlight readable makes it most ergonomic day and night. With a size of 251 x 181 x 30 (mm) and low weight of 1,3kg (incl. Second battery pack) it is handy at any moment of time.

Article no:		**AGX TPC 8**

Typical Applications

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

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Technical Specifications	AGX TPC 8

System	
CPU	Intel® Atom Bay Trail-M Processor Quad Core N2930 1.83GHz
RAM	1 x 204-pin DDRIIII SO-DIMM Socket support / up to 8GB
Storage	MSATA SSD 32G up to 512G
Operating System	Windows® 10 IoT Enterprise 2015 LTSB for Small Tablets / Windows® Industry Pro 8.1 for Small Tablet / Windows® Embedded Standard 7 / Windows® 7 Professional / Linux
Display	TFT LCD 8 inch Touch type: Capacitive type. Option: 4 Wires resistive type Backlight Type: LED Display Resolution: 1024 x 768 (XGA) Luminance: 700 nits Sunlight readable
Network Interface	Integrated WLAN 802.11 b/g/n Integrated Blue Tooth 2.1 + EDR
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/ff 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
I/O Ports	
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
Docking PORT	1 x 16 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 undermeath 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
Mechanical	
Dimensions	251 x 181 x 30 (mm) (9.8" x 7.1" x 1.1").
Weight	1.3Kg (2.8lbs) with batteries
Environment	
Water & Dust Resistance	IP 65
Vibration & Shock Resistance	MIL-STD-810G
Temperature	Operation: -10° – 50°C; Storage: -20°C - 70°C
Humidity	0% – 90% (non-condensing)
Regulatory	CE / FCC Class B / FCC /Rohs compliant
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 & reverse links • EDGE : Downlink coding schemes – CS 1-4, MCS 1-9
GPS	• High performance positioning engine. Surport 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 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 (LF & UHF in preparation)	• HF RFID: 13.56 MHz Mifare DESFire Reader / ISO 15693 Reader • UHF RFID: 860~960MHz

Technical Specifications	AGX TPC 8 Docking Station
1 slots for battery charging	
RS232 Port x 1	
DC Jack x 1	
RJ45 Port x 1	
USB Port x 4	
Phone Jack x 1	
Audio Jack x 1	Color: Black

AGX TPC8 mounted on 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 .Lock

Car and Truck power supply

12V Automotive
Power Adapter

12-36V Truck
Power Adapter

Article no:	Docking station	**AGX TPC8 DS**