

Agile X DATASHEET

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The World's Thinnest 10.1" Tablet PC for Hazardous Areas

Features

- 10.1" High Resolution multi-touch display
- Light, thin-form device for easy handling
- Enterprise-ready with Windows Embedded 8.1 Industry pro
- High-efficiency Intel BayTrail-M Quad-Core 1.8 GHz processor
- Tool-less, hot swappable 8-hour battery option
- Built-in Wireless LAN and Bluetooth 4.0
- Optional LTE modules
- Optional integrated 1D/2D Imager
- Extra expansion port in rear for custom-designed sensors

Description

The BARTEC Agile X industrial tablet PC is a purpose-built UL Division 2 and ATEX Zone 2 device for enterprise use in rugged environments.

Packed with features, the Agile X is the perfect tool for maintenance technicians, operators, engineers and project managers in the field.

BARTEC has optimized this device for maximum productivity. It includes 5 MP rear camera for worksite capture, 2 MP front-side camera for video calling, high accuracy GPS, and optional integrated barcode reader. The Agile X also features a rear-side expansion slot, allowing the tablet to be extended with custom-designed sensors.

Enterprise and Field Ready

The device leverages the full power of Windows Embedded 8.1 Industry, the ultimate industry-ready enterprise-level operating system. Windows Embedded 8.1 Industry has all the power of Windows 8.1 Pro but with added security features such as device lockdown to avoid, for example, registry alteration or USB device addition.

A seamless transition from the office to the field with office and vehicle docks can be created. Wireless LAN, Bluetooth and optional LTE also provides real-time data transfer and connectivity to field workers.

Mobile Rugged Design

The Agile X is a military-spec rugged mobile device, withstanding shock, vibration and 4-foot drops to concrete. It can be operated in a wide temperature range of -20 °C up to +40 °C, allowing the tablet to be used in the toughest of industrial environments.

With IP 65 rating, the device is dust tight, and can withstand water jets against the device enclosure. So, it is easily cleaned after a rough day in the field.

Full Shift Battery Life

The Agile X is offered with the latest Intel BayTrail-M Quad-Core 1.8 GHz processor to provide high performance and low power consumption, providing extended battery life.

With up to 8 hours of operation, the Agile X will provide full-shift support for maximum time in the field (tested with Mobile Mark 2007). The Agile X has overtime covered as well, with the option to tool-less hot-swap to spare battery.

The Ultimate Display for the Field

With its huge 10.1" 1920 x 1200 LED high resolution, 700 nits high-brightness display, the Agile X provides perfect viewing for all daylight conditions. This screen brings alive presentations, schematics and applications.

The minimum 4-point Multi-touch Projected Capacitive Touch technology allows users to switch windows, take snapshots, zoom in and rotate easily to take full advantage of Windows® Embedded 8.1 touch interface.

Customizable for Global Use

The Agile X is ready to work for your organization. But BARTEC also understands that every enterprise has unique needs. That's why BARTEC can support with hardware customizations. Conditions may apply.

For global rollouts, BARTEC offers to organize Ex certification for any country.



Explosion protection

Ex protection type

ATEX  II 3G Ex ic IIC T4 Gc

Certification

B1-A234-7C0001 X

UL Class I Division 2 Groups A, B, C, D T4 A

Certification

UL File E321557

Technical data

System Specification

Processor

Intel BayTrail-M Quad-Core 1.8 GHz
(turbo frequency up to 2.2 GHz)

System Memory

8 GB SODIMM DDR3L-1600

Storage

128 GB mSATA MLC SSD

Operating System

Windows Embedded 8.1 Industry pro
(Downgrade option available)

Display and Touch

Size 10.1"

Resolution 1920 x 1200

Brightness 700 nits

Contrast Ratio 800:1

Touch Projective Capacitive Touch (min 4 points)

Wireless Communication

Wireless LAN

IEEE 802.11 a/b/g/n

Bluetooth

Bluetooth 4.0 (Class I)

GPS

u-Blox Neo-6Q, up to 2.5 m accuracy

Optional LTE Module

US Network Support

LTE, HSPA+, GSM/GPRS/EDGE, EV-DO Rev A,
1 x RTT

EU Network Support

LTE, HSPA+, GSM/GPRS

System I/O, Buttons, Sensors

Audio

1 x Built-in Mic, 2 x 1 W Speaker

External I/O

under protective cover - for use only in safe area

1 x Micro HDMI

1 x 30-pin Combo Conn. (Giga-LAN or RS232)

1 x USB 3.0,

1 x Audio Combo Conn. (Mic in/Line Out)

1 x Power Jack (DC)

1 x Micro SD Slot

Buttons

1 x Power, 1 x Home, 2 x Programmable
Function Key, 2 x Volume Key

Sensors

Light sensor, G sensor, Gyrometer, E-compass

Security

- Password security for user and hard disk lock
- Kensington lock slot
- Trusted platform module (TPM) V 1.2
- Computrace® theft protection support

Data Capture

Camera

- 5 MP Auto-Focus Camera with LED Flash on rear
- 2 MP Camera on front

Barcode Capture (optional)

1D/2D Imager

Size and Weight

Size (W x L x H)

271.8 x 197.2 x 19 mm

10.7 x 7.76 x 0.75 inches

Weight

1.2 kg/2.64 lb with standard battery

Ruggedness

Shock, Vibration, Drop

Military grade device: MIL-STD-810G

Protection class (IEC 60529)

IP 65

Operating Temperature

outside hazardous area

-20 °C up to +60 °C (-4 °F up to +140 °F)

inside hazardous area

-20 °C up to +40 °C (-4 °F up to +104 °F)

Storage Temperature

-30 °C up to +70 °C (-22 °F up to +158 °F)

Operating Humidity

30 % ~ 90 % (non-condensing)

Certifications

CE, FCC, UL 60950, ANSI/ISA 12.12.01,
EN 60601

Power Management

Power Input

DC 12 V up to DC 19 V

Battery

- 8 hr standard battery
- 7.4 V, min. 5300 mAh Li-Polymer battery
- Charging hours 2.5 hrs

Adapter

AC 100 to 240 V, 50 to 60 Hz/DC 19 V

Service

Warranty

Standard 3 years
additionally 2 years on request

Service Contracts

Available on request

Accessories as Standard

8 hr standard battery, stylus, hand strap,
charging power supply, line cord for US and
EU, shoulder strap, screw driver for I/O cover

Accessories Options

Standard spare battery (8 hr)	Ex-rated
Hand strap	Ex-rated
Stylus	Ex-rated
LTE module (for self installation)	Ex-rated
Charger for tablet and battery	Non-Ex
Desk docking station	Non-Ex
Vehicle docking station	Non-Ex

Contactos/Contacts:

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