



10.1" Industrial Tablet PC



Features

- Highly flexible industrial tablet PC for rough environments
- Brilliant, high-resolution, bonded 10.1" touch LED display, also sunlight readable
- Powerful Quad-Core processor for high working speed and long battery life
- Rugged design to military specification MIL-STD-810G
- Integrated Bluetooth 4.0, WLAN and optional LTE radio module
- Simple integration into your corporate environment using Windows operating systems
- Data capture with barcode and RFID scanner
- Optional HART Add-On Module
- Optional RFID UHF Add-On Module
- Freely configurable expansion interface for customer specific applications
- Extensive accessories

Description

The BARTEC Agile X is an extremely slim-line, rugged and highly flexible industrial tablet PC for rough environments.

Agile X has a large number of international certifications and can be used throughout the world. It is licensed for ATEX and IECEx Zone 2/22 and to UL Class I Division 2. Further national certifications are possible on customer request.

Thanks to its broad range of functions, the Agile X is the perfect assistant to service technicians, operating staff, engineers and project managers in the field and in industry.

Explosion protection

Ex protection type

ATEX Ex II 3G Ex ic IIA/IIC T5 Gc
Ex II 3D Ex ic IIIB T90 °C Dc IP 54
(IIA when using hand strap
Type 03-9849-0130)

Certification

EPS 15 ATEX 1 823 X

IECEx Ex ic IIA/IIC T5 Gc

Ex ic IIIB T90 °C Dc IP 54
(IIA when using hand strap
Type 03-9849-0130)

Certification

IECEx EPS 15.0010X

UL Class I Div. 2 Groups A, B, C, D T4 A

Certification

UL File E321557

Technical data

System specification

Processor

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

System memory

8 GB SODIMM DDR3L-1600

RAM

128 GB mSATA MLC SSD
optional: 256 GB mSATA MLC SSD

Operating system

Windows® Embedded 8.1 Industry Pro (64 bit)
Windows® 7 Professional for Embedded systems
(Service-Pack 1 - 64 bit)
Windows® 10 IoT (64 bit) Enterprise LTSB,
multilingual

Bonded Display and Touch function

Size

10.1"

Resolution

1920 x 1200 pixel

Brightness

700 cd/m² (nits)

Contrast ratio

800:1

Front glass

Gorilla glass, 3 mm with hardness of 8 H

Touch function

Projective Capacitive Touch (min. 4 points)

Wireless communication

WLAN WiFi

IEEE 802.11 a/b/g/n

Bluetooth

Version 4.0 (Class I)

GPS

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

Optional LTE module

EU Network support (Type 03-9826-0128)

LTE, HSPA+, GSM/GPRS

US Network support (Type 03-9826-0127)

LTE, HSPA+, GSM/GPRS/EDGE,
EVDO Rev A, 1 x RTT

I/O system, keys, sensors

Audio

1 x integrated microphone
2 x loudspeakers (2 x 1 watts)

External I/O

under protective cover - for use only
in safe area
1 x Micro HDMI
1 x 30 pin Combo connection
(Giga-LAN or RS232)
1 x USB 3.0
1 x Audio Combo connection (Mic in/Line Out)
1 x Power Jack (DC)
1 x Micro SD Slot

Keys

1 x power, 1 x home, 2 x programmable
function keys, 2 x volume keys



Sensors

Light sensor, G sensor, Gyro meter and ECompass

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 camera with autofocus and LED flash on the back
- 2 MP camera on the front

Barcode capture (optional)
1D/2D Imager

HART Add-On Modul (optional)
configure, parameterize, read and measure of HART devices in the hazardous area

RFID HF Reader intern 13.45 MHz (optional)
Supported standards
- ISO 15693 (Read/Write)
- ISO 14443 (Read/Write)
- ISO 18092 (Read)

RFID UHF Add-On Modul dual band (optional)
(Type B7-A2Z0-0032)
US: 902 bis 928 MHz
EU: 865.6 bis 867.5 MHz

Supported standards
EPC Global GEN2 (ISO1800-6c) with DRM
optional: ISO 18000-6B

Note: can not be combined with internal RFID HF Reader.

Size and weight

Size (Weight x Length x Height)
271.8 mm x 197.2 mm x 19 mm

Weight
1.5 kg with standard battery

Ruggedness

Shock, Vibration, Drop, Temperature and Vibration according to MIL-STD-810G

Protection class (IEC 60529)
IP 65

Operating temperature
outside hazardous area
-20 °C to +60 °C

inside hazardous area
-20 °C to +50 °C

Storage temperature
-30 °C to +70 °C

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 to 19 V

Battery
Standard: up to 6 h run time,
7.4 V, min. 5,300 mAh,
Lithium-polymer battery, charging time: 3 h

Long-Life: up to 13 h run time,
7.4 V, min. 10,600 mAh,
Lithium-polymer battery, charging time: 6 h

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

Service

Warranty
3 years, in order to request extension
1 or 2 years possible

Service contracts available for 3, 4 or 5 years
- Comfort
- ALL-IN from the start

Scope of Delivery
- Standard battery/optional Long-Life battery
- Stylus
- Hand strap
- Battery charger
- Line cord EU and US
- CD with drivers and manual

Optional accessories
for use in hazardous areas
- Standard battery/optional Long-Life battery
- Hand strap
- Stylus
- Display protection film
- Shoulder strap
- LTE Module (self-assembly)
- RFID UHF Module (self-assembly)
- HART Add-On Module (self-assembly)

for use in non-hazardous areas
- Charger power pack for Tablet
- Battery charger (2-slot)
- Car charger cable
- Desktop docking station
- Vehicle docking station
- Vesa Mount
- Adapter cable 30pin-Port to RS232 or LAN
- Cable Micro HDMI to HDMI

Selection chart

Operating system	Code no.	RFID	Code no.	Barcode options	Code no.
Windows® 7 Professional for Embedded systems	1	none	0	none	0
Windows® Embedded 8.1 Industry Pro	3				
Windows® 10 IoT, Enterprise LTSC	5	internal RFID HF Reader**	2	1D/2D Imager*	3

* can not be combined with internal RFID HF
** can not be combined with 1D/2D Imager

Complete order no. B7-A234-40 1/111 00
Please insert correct code. Technical data subject to change without notice.

Note: Optional modules such as LTE, RFID, UHF, HART, etc. must be ordered separately as an accessory for self-assembly.