



The BARTEC Agile X is a rugged and highly flexible industry tablet PC for rough environments. Agile X has a large number of international certifications and can be used throughout the world. It is certified for ATEX and IECEx Zone 2/22 and to UL Class I Div. 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**

|  |   |
|--|---|
| Marking ATEX   | Ex II 3G Ex ic IIA/IIC T5 Gc<br>Ex II 3D Ex ic IIIB T90 °C Dc IP 54<br>(IIA when using hand strap<br>Type 03-9849-0130) |
| Certification  | EPS 15 ATEX 1 823 X   |
| Marking IECEx  | Ex ic IIA/IIC T5 Gc<br>Ex ic IIIB T90 °C Dc IP 54<br>(IIA when using hand strap<br>Type 03-9849-0130)                   |
| Certification  | IECEx EPS 15.0010X  |
| Marking UL   | Class I Div. 2 Groups A, B, C, D T4 A   |
| Certification  | UL File E321557   |
| Other approvals and certificates, see <a href="http://www.bartec.de">www.bartec.de</a> |   |

**Technical data**

|                    |  |
|--------------------|--|
| Processor          | Intel BayTrail-M Quad-Core with 1.8 GHz (turbo frequency up to 2.2 GHz)  |
| RAM                | 8 GB SODIMM DDR3L-1600   |
| Mass storage       | 128 GB mSATA MLC SSD<br>optional: 256 GB mSATA MLC SSD   |
| Operating system   | Windows® 10 IoT (64 bit), multilingual<br>Windows® Embedded 8.1 Industry Pro (64 bit)<br>Windows® 7 Professional for Embedded systems (64 bit) |
| Size               | 10.1"  |
| Resolution         | 1920 x 1200 pixel  |
| Brightness         | 700 cd/m <sup>2</sup> (nits)   |
| Contrast ratio     | 800:1  |
| Front glass        | Gorilla glass, 3 mm with hardness of 8 H   |
| Touch function     | Projective Capacitive Touch (min. 4 points)  |
| 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  |
| EU Network support | LTE, HSPA+, GSM/GPRS   |
| US Network support | LTE, HSPA+, GSM/GPRS/EDGE, EVDO Rev A, 1 x RTT   |
| Audio              | 1 x integrated microphone<br>2 x loudspeakers (2 x 1 watts)  |

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| External I/O                                      | under protective cover – for use only outside potentially explosive atmospheres<br>1 x Micro HDMI<br>1 x 30 pin combination connection (Giga-LAN or RS232)<br>1 x USB 3.0<br>1 x Audio combination connection (Mic in/Line Out)<br>1 x Charging Port (DC)<br>1 x MicroSD card slot |
| Keys  | 1 x power, 1 x home,<br>2 x programmable function keys,<br>2 x volume keys   |
| Sensors   | Brightness sensor, G sensor, Gyro meter and ECompass   |
| Security  | Password security for user and hard disk lock<br>Kensington lock slot<br>Trusted platform module (TPM) V 1.2<br>Computrace® theft protection support   |
| Camera  | 5 MP camera with autofocus and LED flash on the back<br>2 MP camera on the front   |
| Barcode capture (optional)                        | 1D/2D Imager   |
| HART Add-on module (optional)                     | to configure, parametrise, read and mesure HART devices in potentially explosive atmospheres   |
| Internal RFID HF reader 13.56 MHz (optional)      | Supported standards<br>ISO 15693 (Read/Write)<br>ISO 14443 (Read/Write)<br>ISO 18092 (Read)  |
| RFID UHF Add-on module dual band (optional)       | US: 902 to 928 MHz<br>EU: 865.6 to 867.5 MHz<br>Supported standards<br>EPC Global GEN2 (ISO1800-6c) with DRM<br>optional: ISO 18000-6B<br>Note: The RFID UHF Add-on module cannot be combined with internal RFID HF Reader   |
| Size (W x L x H)                                  | 271.8 mm x 197.2 mm x 19 mm  |
| Weight  | 1.5 kg with standard battery   |
| Shock, vibration, drop, temperature and vibration | according to MIL-STD-810G  |
| Protection class                                  | IP 65 (EN/IEC 60529)   |



|                       |  |
|-----------------------|--|
| Operating temperature | outside potentially explosive area<br>-20 °C to +60 °C<br>inside potentially explosive area<br>-20 °C to +50 °C  |
| Storage temperature   | -30 °C to +70 °C   |
| Operating humidity    | 30 % ~ 90 % (non-condensing)   |
| Certification         | CE, FCC, UL 60950, ANSI/ISA 12.12.01, EN 60601   |
| Power input           | DC 12 V to 19 V  |
| Standard battery      | Lithium-polymer battery<br>7.4 V/5300 mAh (39.22 Wh),<br>charging time: 3 h, running time: up to 6 h   |
| Long life battery     | Lithium-polymer battery<br>7.4 V/10280 mAh (76.07 Wh),<br>charging time: 6 h, running time: up to 13 h   |
| Hot-Swap battery      | 7.4 V/330 mAh (integrated in the device)   |
| Adapter               | AC 100 to 240 V, 50 to 60 Hz/DC 19 V   |
| Warranty              | 3-years, can be extended by a further 1 or 2 years on request  |
| Service contracts     | available for 3, 4 or 5 years<br>COMFORT<br>ALL-IN from the start  |
| Scope of delivery     | Standard battery/optional Long life battery<br>Stylus<br>Hand strap<br>Power supply<br>Power cable (EU + US)<br>Cover for interface extension<br>Quick start guide |

|                              |   |
|------------------------------|---|
| Optional accessories for use | in potentially explosive atmospheres:<br>Standard battery/optional Long life battery<br>Stylus<br>Hand strap<br>Screen protector<br>Carry system<br>Leather carry case<br>4-point belt<br>Shoulder strap<br>Radio module 4G/LTE (self-assembly)<br>RFID UHF Add-on module (self-assembly)<br>HART Add-on module (self-assembly) |
|                              | outside potentially explosive atmospheres:<br>2-slot battery charging station<br>Docking station<br>Power supply<br>Vehicle docking station<br>Power supply with vehicle charge adapter<br>Mounting plate for VESA mount<br>LAN adapter cable/RS232<br>Micro HDMI cable   |

**Ordering information**

| Operating system - 64 bit                    | Code no. | Battery           | Code no. | RFID                      | Code no. | Barcode options | Code no. |
|--|----------|-------------------|----------|---------------------------|----------|-----------------|----------|
| Windows® 7 Professional for embedded systems | <b>1</b> | Standard battery  | <b>1</b> | none                      | <b>0</b> | none            | <b>0</b> |
| Windows® Embedded 8.1 Industry Pro           | <b>3</b> | Long life battery | <b>2</b> | internal RFID HF Reader** | <b>1</b> | 1D/2D Imager*   | <b>1</b> |
| Windows® 10 IoT                              | <b>5</b> |                   |          |                           |          |                 |          |

\* cannot be combined with internal RFID HF

\*\* cannot 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.