

# Agile X IS

10.1" Tablet PC  
Datasheet



**The Agile X IS from BARTEC is an rugged and highly flexible industrial tablet PC for rough environments.**

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

The Agile X IS is approved for ATEX and IECEx Zone 1, Zone 0 and for NEC 500 Class I Division 1.

Further local certifications are possible on customer request.

Explosion protection

|                        |                                                                                                                                                                                                                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Marking ATEX           | Gas - Zone 0<br>⚠ II 1G Ex ia op is IIC T4 Ga<br>Gas - Zone 1<br>⚠ II 2G Ex ia op is IIC T4 Gb<br>Mining - M1/Ma<br>⚠ I M1 Ex ia op is I Ma<br>Mining - M2/Mb<br>⚠ I M2 Ex ia op is I Mb                                                                                                                 |
| Certification          | DEMKO 16 ATEX 1803                                                                                                                                                                                                                                                                                       |
| Marking IECEx          | Gas - Zone 0<br>Ex ia op is IIC T4 Ga<br>Gas - Zone 1<br>Ex ia op is IIC T4 Gb<br>Mining - M1/Ma<br>Ex ia op is I Ma<br>Mining - M2/Mb<br>Ex ia op is I Mb                                                                                                                                               |
| Certification          | IECEx UL 16.0160                                                                                                                                                                                                                                                                                         |
| Marking NEC 500/505    | Gas - Class I Zone 0<br>Class I, Zone 0, AEx ia IIC T4 Ga<br>Gas - Class I Zone 1<br>Class I, Zone 1, AEx ia IIC T4 Gb<br>Gas - Class I Div. 1<br>Class I, Div. 1, Groups A, B, C und D<br>Dust - Class II Div. 1<br>Class II, Div. 1, Groups E, F und G<br>Dust - Class III Div. 1<br>Class III, Div. 1 |
| Certification          | E226123                                                                                                                                                                                                                                                                                                  |
| Further Certifications | CE, FCC/IC<br><br>Other approvals and certificates, see <a href="#">bartec.com</a>                                                                                                                                                                                                                       |

User environment

|                                          |                                                                                          |
|------------------------------------------|------------------------------------------------------------------------------------------|
| Operating temperature                    | -20 °C to +50 °C (-4 °F to 122 °F)<br>(exclude cold start)                               |
| Charging temperature                     | 0 °C to +40 °C (32 °F to 104 °F)<br>(exclude cold start)                                 |
| Storage temperature<br>(without battery) | -20 °C to +50 °C (-4 °F to 122 °F)                                                       |
| Relative humidity                        | 5 % ~ 95 % (non-condensing)                                                              |
| Protection class<br>(IEC 60529)          | IP 65                                                                                    |
| Drop Specification                       | from a height of over 1 m (39.4 inch) onto<br>concrete (incl. Add-on module and battery) |

Technical data

|                                |                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Processor                      | Intel N3710 1.6 GHz (Turbo 2.56 GHz)                                                                                     |
| Memory (RAM)                   | 8 GB SODIM DDR3L-1600                                                                                                    |
| Mass storage                   | 128 GB SATA uSSD                                                                                                         |
| Operating system               | Windows® 10 IoT Enterprise LTSC                                                                                          |
| Display                        | 10.1" Display (16:10) with LED Backlight                                                                                 |
| Resolution                     | 1920 x 1200 pixels                                                                                                       |
| Brightness                     | 700 cd/m²                                                                                                                |
| Contrast ratio                 | 800:1                                                                                                                    |
| Viewing angle                  | 89° from all sides                                                                                                       |
| Front glass                    | LCD display, 2 x bonded Gorilla glass                                                                                    |
| Touch function                 | 10 point multi touch                                                                                                     |
| Size (L x H x W)               | 290 mm x 209 mm x 33 mm<br>(11.4 inch x 8.2 inch x 1.2 inch)                                                             |
| Weight                         | 2.3 kg (5.07 lb)                                                                                                         |
| External battery<br>(optional) | Lithium-Ion battery 7.4 V/4200 mAh (31.08 Wh),<br>External battery can be hot swapped in<br>potentially explosive areas. |
| Internal battery               | Lithium-Ion battery 7.4 V/4200 mAh (31.08 Wh),<br>fixed integrated in the device                                         |

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notifications                   | Power indicator, charging indicator,<br>Mass storage status, RF status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Audio                           | 2 microphones with integrated noise<br>cancellation system; 2 speakers (2 x 0.5 W)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Buttons                         | <b>Front:</b><br>Power, Home/Menu, Fn 1 (programmable)<br><b>Upper right:</b><br>Volume (+/-), Fn 2 (programmable)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Interfaces                      | 1 x USB 2.0 (Ex i)<br>1 x MicroSD card slot<br>1 x Micro SIM card slot<br>1 x Charging port<br>1 x Expansion port for HART Add-On module<br>1 x Connector for Docking Station                                                                                                                                                                                                                                                                                                                                                                                                      |
| Security                        | Kensington lock; Password security for user<br>and hard disk lock;<br>Trusted platform module (TPM) V 1.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RFID reader HF/NFC<br>13.56 MHz | Following RFID tags are supported:<br>(read/write)<br>e. g. Type 1, 2, 3 and 4, ISO/IEC 14443A/B,<br>ISO/IEC 15693, Mifare Classic, FeliCa,<br>ISO 18092 (NFC)                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Camera                          | Front: 2 MP camera<br>Rear: 5 MP autofocus camera with flash                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| WWAN                            | 4G/LTE (optional)<br><br><b>Data transmission - Frequency band US</b><br><b>GSM/GPRS/EGDE:</b> Quad band, 850 MHz/ 900<br>MHz/1800 MHz/1900 MHz<br><b>UMTS/HSPA+:</b> Triple band, 850 (Bd 5)/<br>AWS (Bd 4)/1900 MHz (Bd 2)<br><b>LTE:</b> Band, 700 (Bd 17)/850 (Bd 5)/AWS (Bd 4)/<br>1900 MHz (Bd 2)<br><br><b>Data transmission - Frequency band EU</b><br><b>GSM/GPRS/EGDE:</b> Dual band, 900/1800 MHz<br><b>UMTS/HSPA+:</b> Triple band, 900 (Bd 8)/<br>1800 (Bd 3)/2100 MHz (Bd 1)<br><b>LTE:</b> Band, 800 (Bd 20)/900 (Bd 8)/1800 (Bd 3)/<br>2100 (Bd 1) 2600 MHz (Bd 7) |
| WLAN-WiFi                       | IEEE 802.11 a/b/g/n/ac on board<br>2 antennas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Bluetooth                       | Version 4.1 LE Class I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| GPS                             | GNSS Module: GPS/ QZSS, GLONASS, BeiDou,<br>Galileo ready, up to 2.5 m accuracy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Warranty                        | 1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Service contracts               | COMFORT and ALL-IN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Scope of delievery              | – Agile X IS<br>– External battery or cover module<br>– Dual stylus<br>– Power supply and power cable (EU + US)<br>– Quick Start Guide                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Also required                   | (not included in the delivery)<br>– Docking station or battery charging station<br>for charging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Accessories

|                                                                     |
|---------------------------------------------------------------------|
| See datasheet: Agile X IS Accessories                               |
| It is absolutely necessary to use original accessories from BARTEC! |

Ordering information without scanner

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A B C

|                |                          |                                   |                  |
|----------------|--------------------------|-----------------------------------|------------------|
| A              | Explosion protection     | B                                 | 4G/LTE           |
| 4 - ATEX/IECEX | Zone 1                   | 1 - 4G/LTE with Frequency band US |                  |
| NEC 500        | Class I Div. 1           | 2 - 4G/LTE with Frequency band EU |                  |
| NEC 505        | Class I Zone 1           |                                   |                  |
| 6 - ATEX/IECEX | Zone 0                   | C                                 | External battery |
| NEC 500        | Class I Div. 1           | 0 - without                       |                  |
| NEC 505        | Class I Zone 0           | 1 - 7.4 V/4200 mAh                |                  |
| A - ATEX/IECEX | Zone 1                   |                                   |                  |
| NEC 500        | Class I, II, III, Div. 1 |                                   |                  |
| NEC 505        | Class I Zone 1           |                                   |                  |
| B - ATEX/IECEX | Zone 0                   |                                   |                  |
| NEC 500        | Class I, II, III, Div. 1 |                                   |                  |
| NEC 505        | Class I Zone 0           |                                   |                  |
| F - ATEX/IECEX | M1/Ma                    |                                   |                  |