

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

## User environment

Operating temperature	-20 °C to +50 °C (-4 °F to 122 °F) (exclude cold start)
Charging temperature	0 °C to +40 °C (32 °F to 104 °F) (exclude cold start)
Storage temperature (without battery)	-20 °C to +50 °C (-4 °F to 122 °F)
Relative humidity	5 % ~ 95 % (non-condensing)
Protection class (IEC 60529)	IP 65
Drop Specification	from a height of over 1 m (39.4 inch) onto 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/m <sup>2</sup>
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 (11.4 inch x 8.2 inch x 1.2 inch)
Weight	2.3 kg (5.07 lb)
External battery (optional)	Lithium-Ion battery 7.4 V/4200 mAh (31.08 Wh), External battery can be hot swapped in potentially explosive areas.
Internal battery	Lithium-Ion battery 7.4 V/4200 mAh (31.08 Wh), fixed integrated in the device

Notifications	Power indicator, charging indicator, Mass storage status, RF status
Audio	2 microphones with integrated noise cancellation system; 2 speakers (2 x 0.5 W)
Buttons	<b>Front:</b> Power, Home/Menu, Fn 1 (programmable) <b>Upper right:</b> Volume (+/-), Fn 2 (programmable)
Interfaces	1 x USB 2.0 (Ex i) 1 x MicroSD card slot 1 x Micro SIM card slot 1 x Charging port 1 x Expansion port for HART Add-On module 1 x Connector for Docking Station
Security	Kensington lock; Password security for user and hard disk lock; Trusted platform module (TPM) V 1.2
Barcode capture (optional)	<ul style="list-style-type: none"> <li>– <b>SE4500-SR:</b> Omni-directional 1D/2D engine for image capture of 1D and 2D symbols; reading range up to 39.4 cm (15.5 inch) depending on type, size and quality of barcode</li> <li>– <b>Supported symbologies/barcodes: see table</b></li> </ul>
RFID reader HF/NFC 13.56 MHz	Following RFID tags are supported: (read/write) e. g. Type 1, 2, 3 and 4, ISO/IEC 14443A/B, ISO/IEC 15693, Mifare Classic, FeliCa, ISO 18092 (NFC)
Camera	Front: 2 MP camera Rear: 5 MP autofocus camera with flash
WWAN	4G/LTE (optional)  <b>Data transmission - Frequency band US</b> <b>GSM/GPRS/EGDE:</b> Quad band, 850 MHz/ 900 MHz/1800 MHz/1900 MHz <b>UMTS/HSPA+:</b> Triple band, 850 (Bd 5)/ AWS (Bd 4)/1900 MHz (Bd 2) LTE: Band, 700 (Bd 17)/850 (Bd 5)/AWS (Bd 4)/ 1900 MHz (Bd 2)  <b>Data transmission - Frequency band EU</b> <b>GSM/GPRS/EGDE:</b> Dual band, 900/1800 MHz <b>UMTS/HSPA+:</b> Triple band, 900 (Bd 8)/ 1800 (Bd 3)/2100 MHz (Bd 1) LTE: Band, 800 (Bd 20)/900 (Bd 8)/1800 (Bd 3)/ 2100 (Bd 1) 2600 MHz (Bd 7)
WLAN-WiFi	IEEE 802.11 a/b/g/n/ac on board 2 antennas
Bluetooth	Version 4.1 LE Class I
GPS	GNSS Module: GPS/ QZSS, GLONASS, BeiDou, Galileo ready, up to 2.5 m accuracy
Warranty	3 years
Service contracts	COMFORT and ALL-IN
Scope of delivery	<ul style="list-style-type: none"> <li>– Agile X IS</li> <li>– External battery or cover module</li> <li>– Dual stylus</li> <li>– Power supply and power cable (EU + US)</li> <li>– Quick Start Guide</li> </ul>
Also required	(not included in the delivery) <ul style="list-style-type: none"> <li>– Docking station or battery charging station for charging</li> </ul>

## Accessories

### See datasheet: Agile X IS Accessories

It is absolutely necessary to use original accessories from BARTEC!

**Ordering information with scanner**

1 7 - A 1 B \* - 1 \* 4 1 / 2 2 1 \* 1 1 0 0  
 A B C

<b>A</b>	<b>Explosion protection</b>		<b>B</b>	<b>4G/LTE</b>
	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	<b>C</b>	<b>External battery</b>
	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		

**Ordering information without scanner**

1 7 - A 1 B \* - 1 \* 4 1 / 2 2 1 \* 1 0 0 0  
 A B C

<b>A</b>	<b>Explosion protection</b>		<b>B</b>	<b>4G/LTE</b>
	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	<b>C</b>	<b>External battery</b>
	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		

**Supported Symbolologies / Barcodes**

1D/Linear Symbol/Codes	Code	2D Symbol/Codes	Code
	Code 11	Aztec	
	Code 39	Australian 4-state	
	Code 93	Canadian 4-state	
	Code 128	Composite AB	
	Codabar	Composite C	
	Coupon code	Data Matrix	
	Chinesisch 2 of 5	Dutch Kit	
	Discrete 2 of 5	Japanese 4-state	
	EAN-8	(Macro) Mikro PFD-417	
	EAN-13	MaxiCode	
	Interleaved 2 of 5	microQR	
	MSI	PDF-417	
	Trioptic 39	PDF-417 Macro	
	UPC-A	QR Code	
	UPC/EAN additions	TLC39	
	UPC-E	UK 4-state	
	RSS 14	US Planet	
	RSS Expanded	US Postnet	
	RSS Limited	USPS 4-state (US4CB)	
	Webcode		