

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

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/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 (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	Front: Power, Home/Menu, Fn 1 (programmable) Upper right: 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)	– SE4500-SR: 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 – Supported symbologies/barcodes: see table
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) Data transmission - Frequency band US GSM/GPRS/EGDE: Quad band, 850 MHz/ 900 MHz/1800 MHz/1900 MHz UMTS/HSPA+: 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) Data transmission - Frequency band EU GSM/GPRS/EGDE: Dual band, 900/1800 MHz UMTS/HSPA+: 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 delievery	– Agile X IS – External battery or cover module – Dual stylus – Power supply and power cable (EU + US) – Quick Start Guide
Also required	(not included in the delivery) – Docking station or battery charging station for charging

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										

A	Explosion protection		B	
	4 – ATEX/IECEX	Zone 1	4G/LTE	
	NEC 500	Class I Div. 1	1 – 4G/LTE with Frequency band US	
	NEC 505	Class I Zone 1	2 – 4G/LTE with Frequency band EU	
	6 – ATEX/IECEX	Zone 0	C	
		NEC 500	External battery	
		NEC 505	0 – without	
			1 – 7.4 V/4200 mAh	
A – ATEX/IECEX		Zone 1		
		NEC 500		
		NEC 505		
B – ATEX/IECEX		Zone 0		
		NEC 500		
		NEC 505		
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									

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

Supported Symbolologies / Barcodes

1D/Linear Symbol/Codes	Code 11	2D Symbol/Codes	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		

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Technical data subject to change without notice.