



Agile S NI

10.1" Tablet PC
Datasheet



The Agile S NI from BARTEC is a rugged and highly flexible industry tablet PC for rough environments.

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

The Agile S NI is approved for ATEX and IECEx Zone 2/22 and NEC Class I Div. 2. Further local certifications are possible on customer request.



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Explosion protection

Marking ATEX	Ex II 3G Ex ic IIC T4 Gc Ex II 3D Ex ic IIIB T130 °C Dc IP 64
Certification	EPS 19 ATEX 1 179 X
Marking IECEx	Ex ic IIC T4 Gc Ex ic IIIB T130 °C Dc IP 64
Certification	IECEx EPS 19.0079X
Marking NEC	Class I Div. 2 Groups A, B, C, D T4A
Certification	CSA File 180267
Further Certifications	CE, FCC/IC
	Other approvals and certificates, see bartec.com

User environment

Operating temperature	ATEX/IECEx Zone 2 / 22 -20 °C to +50 °C (-4 °F to 122 °F) Class I Division 2 -10 °C to +50 °C (14 °F to 122 °F)
Charging temperature	0 °C bis +45 °C (32°F bis 113°F)
Storage temperature (without battery)	-30 °C to +70 °C (-22 °F to 158 °F)
Relative humidity	10 % ~ 90 % (non-condensing)
Protection class (IEC 60529)	IP 65
Shock, vibration, drop, temperature and vibration	according to MIL-STD-810G

Technical data

Processor	Intel Core i5-7200U Kaby Lake 2.5 GHz (turbo frequency up to 3.1 GHz)
Memory (RAM)	8 GB DDR4 SDRAM
Mass storage	256 GB mSATA MLC SSD
Operating system	<ul style="list-style-type: none"> – Windows® 10 IoT Enterprise CBB (64 bit), multilingual – Windows® 10 IoT Enterprise LTSC (64 bit), multilingual
Size (W x L x H)	271.8 mm x 197.2 mm x 21 mm (10.7 inch x 7.76 inch x 0.83 inch)
Weight	1,2 kg (2.65 lb)
Display	10.1" IPS Display with LED Backlight
Resolution	1920 x 1200 pixel, WUXGA
Brightness	800 cd/m ² Sunlight readable by optical bonding
Contrast ratio	800:1
Viewing angle	85° from all sides
Front glass	Gorilla glass with hardness of 8 H
Touch function	Projective Capacitive Touch
Usability	Depending on the mode set with stylus, finger or glove
Standard battery	Lithium-polymer battery 7.4 V/5140 mAh (38.04 Wh), charging time: 3 hours running time: up to 8 hours
Hot-Swap battery	7.4 V/330 mAh (integrated in the device)
Audio	1 x integrated microphone 2 x loudspeakers (2 x 1 watts)
Buttons	1 x power 1 x home 2 x programmable function keys 2 x volume keys

External I/O	under protective cover – for use only outside hazardous areas 1 x Micro HDMI 1 x USB 3.0 (Type A) 1 x USB 3.0 (Type C) 1 x Audio combination connection (Mic in/Line Out) 1 x Charging Port (DC) 1 x Micro SD card slot 1 x Micro SIM card slot
Barcode capture	<ul style="list-style-type: none"> – 1D/2D Imager Honeywell N6600 – Supported Symbologies / barcodes: see table
Camera	8 MP camera with autofocus and LED flash on the back 2 MP camera on the front
Internal RFID HF reader 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)
WWAN	4G/LTE (optional) <ul style="list-style-type: none"> – Data transmission - Frequency band: US (Module: Sierra Wireless MC7455) 4G - LTE Category: Cat-6 Bands: B1, B2, B3, B4, B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41 3G - WCDMA (DC-HSPA+/HSPA+/UMTS) Bands: B1, B2, B3, B4, B5, B8 – Data transmission - Frequency band: Asia/Pacific + South America (Module: Sierra Wireless MC7430) 4G - LTE Category: Cat-6 Bands: B1, B3, B5, B7, B8, B18, B19, B21, B28, B38, B39, B40, B41 3G - WCDMA (DC-HSPA+/HSPA+/UMTS) Bands: B1, B5, B6, B8, B9, B19 3G - TD-SCDMA Band: B39 – Data transmission - Frequency band: EU + Korea + Taiwan (Module: Sierra Wireless MC7455) 4G - LTE Category: Cat-6 Bands: B1, B2, B3, B4, B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41 3G - WCDMA (DC-HSPA+/HSPA+/UMTS) Bands: B1, B2, B3, B4, B5, B8
WLAN-WiFi	Low Power Dual Band IEEE802.11 a/b/g/n/ac (R2 2x2 + MU-MIMO) WPA/2 Personal and Enterprise, WPS2, 802.11w, WMM, WMM-PS, WFD, Miracast, Passpoint R2, BVoice Personal
Bluetooth	Version 5.0
GNSS Module	GPS/ QZSS, GLONASS, BeiDou, Galileo ready, up to 2.5 m precision
Sensors	Brightness sensor, G sensor, Gyro meter and eCompass
Security	Password security for user and hard disk lock Trusted platform module (TPM) V 1.2
Mobile Device Management	SOTI mobicontrol compatible
Warranty	1 year
Service contracts	COMFORT and ALL-IN
Scope of delivery	<ul style="list-style-type: none"> – Standard battery – Stylus – Hand strap – Power supply – Power cable (EU + US) – Quick start guide

Ordering information

Agile S NI with scanner B7-A2B4-101112111100
Windows® 10 IoT
Enterprise CBB (64 bit)

Agile S NI with scanner B7-A2B4-102112111100
Windows® 10 IoT
Enterprise LTSC (64 bit)

Supported Symbolologies/Barcodes

1D/Linear Symbol/Codes	Codabar *	2D Stacked und 2D Matrix Symbol/ Codes	Aztec Code *	
	Code 2/5		Codablock A	
	Code 11		Codablock F	
	Code 39 *		Data Matrix *	
	Code 93 *		GS1 Composite	
	Code 128 *		Han Xin Cod	
	EAN/JAN-8 *		MaxiCode	
	EAN/JAN-13 *		MicroPDF417 *	
	GS1-128 *		Micro QR Code	
	GS1 DataBar Expanded *		PDF417 *	
	GS1 DataBar Limited *		QR Code *	
	GS1 DataBar Omni-Directional *			
	IATA 2/5		Postal Symbol/Codes	Australian Post
	Interleaved 2 of 5 *			British Post
	ISBT 128			Canadian Post
	Matrix 2 of 5			China Post
	MSI			Intelligent Mail Barcode
	NEC 2/5 *			Japanese Post
	Planet Code			Korea Post
Telepen		Netherlands (KIX) Post		
Trioptic Code		Planet Code		
UPC-A *		Postal-4i		
UPC-A/EAN-13 Extended Coupon Code		Postnet		
UPC-E *				
UPC-E1		OCR (Option) Symbol/Codes	OCR-A OCR-B E13B (MICR)	

*activated in Default setting.

All barcodes can be activated/deactivated and set via a configuration tool.

Typical reading range

(The quality of the barcode and environmental conditions may affect performance.)

Symbolologies/Barcodes	Standard range (typical)		Extended range (typical)	
	Start (mm/[in])	Stop (mm/[in])	Start (mm/[in])	Stop (mm/[in])
C39 5mil	64 [2.5]	163 [6.4]	96,5 [3.8]	283 [11.1]
C39 10mil	28 [1.1]	338 [13.3]	72 [2.8]	551 [21.7]
UPC-A 13mil	46 [1.8]	419 [16.5]	51 [2.0]	559 [22.0]
C39 20mil	-	-	56 [2.2]	819 [32.2]
PDF 417 6.7mil	46 [1.8]	185 [7.3]	127 [5.0]	232 [9.1]
QR 20mil	-	-	45 [1.8]	516 [20.3]
DM 10mil	53 [2.1]	203 [8.0]	120 [4.7]	282 [11.1]