Agile S NI Industry Tablet PC 10.1"

The Agile S NI from BARTEC is a rugged and highly flexible industry tablet PC for rough environments. It is certified for ATEX and IECEx Zone 2/22 and to Class I Div. 2. Further national certifications are possible on customer request. 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.

Explosion protection

Marking ATEX	⟨Ex⟩ II 3G Ex ic IIC T4 Gc
	⟨Ex⟩ II 3D Ex ic IIIB T130°C Dc IP64
Certification	EPS 19 ATEX 1 179 X
Marking IECEx	Ex ic IIC T4 Gc
	Ex ic IIIB T130°C Dc IP64
Certification	IECEx EPS 19.0079X
Marking CSA	Class I Div. 2 Groups A, B, C, D T4A
Certification	File: 180267

Temperature range

Operating temperature	-10 °C to +50 °C (14°F to 122°F)
	during charging
	0 °C to +35 °C (32°F to 95°F)
Storage temperature	-30 °C to +70 °C (-22°F to 158°F)
Operating humidity (during operation)	30 % ~ 90 % (non-condensing)

Technical data

Processor	Intel Core i5-7200U Kaby Lake 2.5 GHz (turbo frequency up to 3.1 GHz)
Memory (RAM)	8 GB DDRR4 SDRAM
Mass storage	256 GB mSATA MLC SSD
Operating system	Windows® 10 IoT Enterprise CBB (64 bit), multilingual
Size	10.1" IPS Display with LED Backlight
Resolution	1920 x 1200 pixel, WUXGA
Brightness	800 cd/m² 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
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)

Shock, vibration, drop, temperature and vibration	according to MIL-STD-810G
Protection class	IP 65 (EN 60529)
Power input	DC 12 V to 19 V
Standard battery	Lithium-polymer battery 7.4 V/5140 mAh (38.04 Wh), charging time: 3 h running time: up to 6 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
WWAN	4G/LTE Sierra Wireless module MC7455
Air Interface	LTE-FDD, LTE-TDD HSPA+
Ziel Region	EMEA/Amerika
4G/LTE	Band: B1, B2, B3, B4, B5, B7, B12, B13, B20, B25, B26, B29, B30, B41
3G – WCDMA	Band: B1, B2, B3, B4, B5, B8
Carrier	AT&T, Bell, Rogers, Sprint, Telus, US Cellular, Verizon, Vodafone
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
Camera	8 MP camera with autofocus and LED flash on the back 2 MP camera on the front
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

External I/O	under protective cover – for use only outside potentially explosive atmospheres
	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 MicroSD card slot
Buttons	1 x power, 1 x home, 2 x programmable function keys, 2 x volume keys
Audio	1 x integrated microphone 2 x loudspeakers (2 x 1 watts)

Internal RFID HF reader 13.56 MHz	Supported standards ISO 15693 (Read/Write) ISO 14443-A (Read/Write) ISO 18092 (Read)
Barcode capture	1D/2D Imager Honeywell N6600 Barcodes see table
Warranty	1 year
Scope of delivery	Standard battery Stylus Hand strap Power supply Power cable (EU + US) Quick start guide

Supported Symbologies/Barcodes

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

* = 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.)

Symbologies/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]

Ordering information

Agile S NI with scanner	**B7-A2B4-101112111100**