

BARTEC ET60/65^{EX2} Windows Tablet

for Zone 2 hazardous areas



Powerful Windows™ tablets for safe use: BARTEC ET60/65^{EX2} Windows Tablet

Engineered in collaboration with Zebra Technologies, the rugged design guarantees long-term usability and operational reliability even under extreme conditions. With Windows 11, the Intel® Core™ Ultra platform, and comprehensive IT compatibility, the devices integrate seamlessly into existing enterprise systems. They offer stable performance for demanding applications, high data security, and easy device management. The BARTEC ET60/65^{EX2} Windows Tablets combine industrial-grade robustness with the flexibility and stability of a Windows environment – ideal for safe use in the energy, chemical, and process industries.

The BARTEC ET60/65^{EX2} Windows Tablet is approved for ATEX/IECEx Zone 2/22.

Further local certifications are possible on customer request.

- Rugged design optimized for hazardous environments
- Fast Intel® Core™ Ultra 5 delivers unmatched power and performance
- 10" super bright display
- Meets any barcode scanning need with the optional SE55 scan engine
- Fast and versatile wireless connectivity with Wi-Fi 7 and 5G options

Redefine workforce efficiency with AI

High performance processing power for all your applications

Power all your mobile applications with the next generation Intel Core Ultra platform — including AI, augmented reality and machine learning. You get unmatched speed and efficiency with three dedicated engines and advanced features, such as Intel® Adaptive Boost. With Intel's AI Boost, AI applications run faster, paving the way for a new generation of AI applications that enables mobile users to work smarter and faster than ever before. A substantial decrease in power requirements offsets the intensive processing requirements of AI applications, allowing batteries to power the tablet longer on a single charge.

Cutting-edge touchscreen technology for superior data entry

The AI-enabled touchscreen and advanced sensing technology redefine touch accuracy, flexibility and response time, allowing workers to enter data faster, easier and in more conditions. Workers can interact with the touchscreen using a bare finger, a heavy-gloved finger or an active or low-cost passive stylus — without needing to choose or change touch mode settings. All methods of interacting with the screen deliver the same pinpoint accuracy and instant response, even in heavy rain. And the super bright 1000 nit display is easy to see in any lighting — including bright sunlight.

Advanced AI-audio takes voice clarity to the next level

The latest machine and neural network technologies work together to suppress more noises and more types of noises, enabling higher quality, clear voice — even in noisy environments that challenge traditional noise suppression technologies. Empowered with a new level of voice clarity, workers can confidently place and answer calls and interact with voice-enabled applications — including AI-powered applications — no matter where they are.

Enhanced versatility and flexibility

Unbeatable battery features

No matter how demanding your apps are, get full or multi-shift power with the standard battery. The intuitive battery door latch design allows users to easily remove and replace batteries out in the field, so the tablet is never out of commission for charging. The Super Capacitor delivers constant power during battery swaps so you never lose your progress or data. PowerPrecision+ batteries provide the intelligence required to spot, locate and replace unhealthy batteries — and more.

All the fastest wireless connections

Stay connected to critical information, co-workers and more no matter where the job takes you. Inside your facility, Wi-Fi 7 offers up to nearly 5x the speed of Wi-Fi 6, plus double the bandwidth and multi-band communications to support more devices and more traffic. Out in the field, 5G second generation Release 16 keeps workers connected with the fastest cellular speeds. Private 5G network support includes CBRS (North America only), and is ideal for ports and other large areas where Wi-Fi would be too complex and costly. Support for public safety private cellular networks ensures that first responders are always connected, even during major events. The physical SIM and eSIM allow tablets to connect to both a private 5G and public cellular network, providing seamless connectivity inside and outside of your facility. And Bluetooth 5.4 provides faster, more reliable and more energy efficient connections, improving peripheral performance and battery cycle times.

Scan barcodes instantly — near and far

With the optional SE55 1D/2D Advanced Range scan engine with Intellifocus™ technology, workers can capture virtually any barcode in practically any condition in a split second over an extraordinary scanning range — from in hand to the top shelf of a warehouse rack.

More rugged, more secure and easy to manage**Designed to handle practically everything**

This tablet has survived more real-world tests than any other tablet in its class. It's drop-tested on concrete, dustproof and corrosion-proof —and you can just hose it off when it's dirty. Other tests include vibration, thermal shock, solar radiation and salt fog to ensure it can handle the constant pounding in a forklift, vehicle vibrations, rapid and wide temperature swings and heavy exposure to sunlight. Two of the most vulnerable elements are protected with shatter- and scratch-resistant Gorilla Glass —the display and the optional scanner exit window. The result? A tablet that thrives virtually anywhere — from the harsh environments in warehouses and manufacturing plants to the unpredictable outdoor environments in ports and yards or field services.

Keep your tablets secure every minute of the day

Enable facial recognition to ensure only authorized users access the tablets. Support for Private 5G networks gives you complete control over cellular connections, with added protection through SIM and eSIM required encryption. The Trusted Platform Module (TPM) secures authentication data, such as passwords and fingerprints. And the privacy shutter prevents unauthorized access to the front camera.

Easy to configure

Zebra Control Hub for Windows makes tablet management easy for end users and IT. This single panel allows users to tailor the tablet to their preferences — from changing the backlight color of the keyboard to mapping keys to create shortcuts to launch apps and more. IT can use the Logging feature to help troubleshoot tablet issues, access PowerPrecision+ battery data to identify and replace aging batteries, centrally manage all settings and more.

Explosion protection

Marking ATEX	<i>with scanner (Type B7-T2E*-*W*****K*00)</i> Ⓔ II 3G Ex ic op is IIC T4 Gc Ⓔ II 3D Ex ic op is IIIC T135 °C Dc IP 64 <i>without scanner (Type B7-T2E*-*W*****Q*00)</i> Ⓔ II 3G Ex ic IIC T4 Gc Ⓔ II 3D Ex ic IIIC T135 °C Dc IP 64
Certification	EPS 26 ATEX 1 034 X
Marking IECEx	<i>with scanner (Type B7-T2E*-*W*****K*00)</i> Ex ic op is IIC T4 Gc Ex ic op is IIIC T135 °C Dc IP 64 <i>without scanner (Type B7-T2E*-*W*****Q*00)</i> Ex ic IIC T4 Gc Ex ic IIIC T135 °C Dc IP 64
Certification	IECEx EPS 26.0013X
Further Certifications	CE, FCC/IC

Other approvals and certificates, see www.bartec.com

User environment

Operating temperature	-20 °C to +55 °C (-4 °F to 131 °F)
Storage temperature (without battery)	-40 °C to +70 °C (-40 °F to 158 °F)
Relative humidity	5 % ~ 95 % (non-condensing)
Protection class (IEC 60529)	IP 66
Drop specification	Exceeds MIL-STD-810H 5 ft. (1.5m) to concrete Meets MIL-STD-810H 6 ft. (1.8m) to plywood over concrete
Vibration	MIL-STD-810H Method 514.8 and 516.8
Impact	IEC EN 60079-15, Ball drop; 5 Joules on touch screen

Physical characteristics

Size (W x L x H)	275 x 199 x 18.3 mm (10.8 x 7.8 x 0.7 inch)
Weight (with battery)	1200 g (2.6 lb)
Display	10.1"; 1,000 nits; optically bonded to touchpanel; Contrast Ratio 1000:1
Resolution	1900 x 1200 pixels; WUXGA
Touchpanel	Capacitive multi-touch, Corning® Gorilla® Glass, AI Powered Touch Control for automatic optimization and precise interaction with included passive stylus
Connectivity	1x USB 3.1 Type A port; 2x Thunderbolt 4/USB4 Type C ports ⁽¹⁾

Physical characteristics

Interface Ports and Expansion	Docking connector (charge and data); Keyboard connector; 1 x USB 2.0 (back I/O - host only)
Notifications	Audible tone; 1 multi-color LED
Audio	Stereo speakers and two microphones; audio headset supported through USB port or Bluetooth; speaker/microphone support
Buttons	Power; Scan; Up/Down (programmable); three programmable keys

Performance characteristics

CPU	Intel® Core™ Ultra 5 125U
Operating system	Windows® 11 Professional 64 bit
Memory (RAM)	16 GB
Mass storage	256 GB SSD

Power

Charging	45W USB Power Delivery 3.0 through USB-C port
Battery	Lithium-ion battery 7,6 V/4460mAh (33,90 Wh)
True Hot Swap	Minimum 60 seconds over the full operating temperature range with internal super capacitor ⁽²⁾
Battery Charge Time	2.5 hrs from 0% to 100% with 45W power supply

Sensors

Ambient Light Sensor	Automatically adjusts display brightness
Magnetometer	eCompass
Motion Sensor	3-axis gyroscope; 3-axis accelerometer

⁽¹⁾ The included screws for locking the I/O ports must be tightened when used in hazardous areas.

⁽²⁾ For safety reasons, the battery may only be changed outside the hazardous area and the included screws for locking the battery must be tightened when used in hazardous areas.

Data Capture

Scanner (optional)	– SE55 1D/2D Advanced Range Scan Engine with IntelliFocus™ technology Reading range up to 12.2 m (480.3 inch) depending on type, size and quality of the barcode – supported symbologies/barcodes: see table
Rear Camera	13 MP autofocus; flash LED generates balanced white light
Front Camera	5 MP RGB with mechanical privacy shade

Wireless PAN

Bluetooth	Bluetooth® 5.4 (Class 1), Bluetooth® Low Energy (BLE)
NFC	ISO 14443 –A-B, MIFARE, FeliCa®, ISO 15693, NFC Forum Tag Types 1 to 4

Wireless LAN

Radio	Wi-Fi 7: IEEE 802.11a, b, d, e, g, h, i, k, n, r, u, v, w, ac, ax, be; Fine Timing Measurement based on 802.11-2016, 802.11az HW readiness
Data Rates	Up to 5.8 Gbps; 2x2 MU-MIMO; 320 MHz channels; 4096-QAM; 6 GHz, 5 GHz, and 2.4 GHz bands
Operating Channels	2.4 GHz: Channel 1-13; Bandwidth: 20/40 MHz 5.0 GHz: Channel 36-165; Bandwidth: 20/40/80 MHz 6.0 GHz: Channel 1-221; Bandwidth 20/40/80/160/320 MHz
Security and Encryption	WPA3 personal and enterprise including WPA2 transition mode; 802.1X EAP-TLS, EAP-TTLS/MSCHAPv2, PEAPv0 -MSCHAPv2 (EAP-SIM, EAP-AKA, EAP-AKA), 128-bit AES-CCMP, 256-bit AES-GCMP
Fast Roam	802.11r Fast BSS Transition; PMK Caching; Cisco CCKM; OKC
Certifications	Wi-Fi 7 Technology support, Wi-Fi CERTIFIED 6 with Wi-Fi 6E, Wi-Fi CERTIFIED a/b/g/n/ac, WMM, WMM-Power Save, WPA3, PMF, Wi-Fi Direct, Wi-Fi Agile Multiband, Wi-Fi Location R2 HW readiness

Wireless WAN Data Communications (only BARTEC ET65^{EX2})

SIM Slots	1x eSIM, 1x Nano SIM
Radio Frequency Band	5G NR (n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/40/41/48/66/70/71/75/76/77/78/79) LTE-FDD (B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/71) LTE-TDD (B34/38/39/40/41/42/43/48) LTE-LAA (B46) UMTS WDCMA (B1/2/4/5/8/19)
LTE/5G Private Networking	Supported
GNSS	GPS, GLONASS, BDS (BeiDou), Galileo, QZSS

Warranty

1 year for BARTEC ET60/65 ^{EX2} Windows Tablet
6 months for battery and accessories

Service contracts

Comprehensive coverage, available as 3 years
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Scope of delivery

- BARTEC ET60/65^{EX2} Windows Tablet
 - Standard battery
 - Stylus
 - Screws
(for locking the I/O port and the battery in hazardous areas)
 - Quick Start Guide
- (Charging accessories are sold separately)

Accessories

See datasheet: BARTEC ET60/65^{EX2} Tablet Accessories
Ensure safety in hazardous areas by using only original BARTEC accessories.

Order information

BARTEC ET60 ^{EX2} Windows Tablet		BARTEC ET65 ^{EX2} Windows Tablet	
– Marking ATEX/IECEx Zone 2/22		– Marking ATEX/IECEx Zone 2/22	
– WLAN only		– Supports WWAN frequency bands	
without Scanner	B7-T2E2-0W0C5DPS0000	without Scanner	B7-T2E2-5WEC5DPS0000
with SE55	B7-T2E2-0W0C5DPSK000	with SE55	B7-T2E2-5WEC5DPSK000
1D/2D Advanced Range Scan Engine		1D/2D Advanced Range Scan Engine	

Supported Symbolologies/Barcodes

1D/Linear Symbol/Codes	Bookland EAN	Code 128	ISBT Concatenation
	Chinese 2 of 5	Discrete 2 of 5	ISSN
	Codabar	Full ASCII	Korean 3 of 5
	Code 11	GS1-128	Matrix 2 of 5
	Code 32	GS1 DataBar variants	Trioptic Code 39
	Code 39	Interleaved 2 of 5	UCC Coupon Extended Code UUPC/
	Code 39	ISBT 128	EAN/JAN supplementals
2D Stacked and 2D Matrix Symbol/ Symbol/ Codes	Aztec	GS1-QR	Micro QR PDF417QR Code
	Composite Codes	GS1-DM	TLC-39
	Data Matrix	MicroPDF417	
Postal Symbol/Codes	Australian Post (4-state)	Japanese Post (4-state)	Postnet US Planet
	British Post (4-state)	Netherlands (KIX)	USPS 4 State Postal (US4CB)
	Canadian Post (4-state)	Post Postnet	
	Chinese 2 of 5	UPU 4 State Postal FICS US	
OCR (6-to-60-point OCR typeface)	MICR-E13B	OCR-A/B	Serial number of US currency