

BARTEC ET60/65^{EX2} Android Tablet

for Zone 2/Div. 2 hazardous areas



The most versatile Android™ tablet for hazardous areas

Maximize productivity and business efficiency in hazardous areas with 10" tablets that deliver more features, power, security, and ruggedness. Co-engineered with Zebra Technologies, these tablets are built like a tank, ready to handle the dust, dirt, and grime in industrial environments. When it comes to features, these workhorses are loaded with processing power, battery power, data capture power, Wi-Fi 6E and 5G connectivity options, and more. And Zebra Mobility DNA™ adds unmatched value with features that make the tablets easier to use and manage. When the job calls for an intrinsically safe tablet, no matter what features you need, the BARTEC ET60/65^{EX2} Android Tablet delivers.

The BARTEC ET60/65^{EX2} Android Tablet is approved for ATEX/IECEx Zone 2/22; NEC/CEC 500 Class I, II, III Div. 2; and NEC/CEC 505 Zone 2/22.

Further local certifications are possible on customer request.

- Rugged design optimized for hazardous environments
- Fast Qualcomm® 6490 processor 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 6E and 5G options
- Loaded with Zebra Mobility DNA, the industry's broadest suite of enterprise software

Rugged design optimized for hazardous environments

Designed to Handle Practically Everything

Apart from the stringent aging and mechanical test required to obtain hazardous area certifications, this tablet has survived more real-world tests than any other tablet in its class. It's drop-tested on concrete, built to withstand freezing cold and blazing heat, 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. 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 and field services.

A Display You Can See Everywhere

View the super bright 1000 nit display easily in any lighting – including outside in bright sunlight or inside in a dimly lit manufacturing plant or warehouse. And with a cover glass built of shatter- and scratch-resistant Gorilla Glass, the most vulnerable element of the tablet is protected.

Unmatched power and performance

A Processor Built for Today and Tomorrow

The powerful Qualcomm® 6490 octa-core 2.7 GHz platform supports the fastest networks – 5G and Wi-Fi™ 6E – plus artificial intelligence and machine learning to enable the apps of today and tomorrow.

All the Most Powerful Wireless Connections

Support for 5G private networks and Citizens Band Radio Service (CBRS)⁽¹⁾ enable highly secure and cost-effective private cellular wireless connectivity in large areas. Support for 5G and Wi-Fi 6E provides workers inside your facility and out in the field with blazing fast and reliable wireless connections. And the physical SIM and eSIM allow devices to connect to both a private 5G or CBRS cellular network and the public cellular network, providing seamless connectivity inside and outside of your facility.

All the Battery Power Your Workers Need

No matter how demanding your apps are, you can count on full-shift power with the 8,920 mAh standard battery. Batteries are removable, so the tablet is never out of service for charging. An internal Super Capacitor delivers constant power during battery swaps so you never lose data. And the PowerPrecision+ battery technology provide the intelligence required to spot, locate and remove unhealthy batteries from the battery pool – and more.

Keep Your Devices Secure Every Minute of the Day

LifeGuard™ for Android⁽²⁾ provides regular and timely OS patches and security updates throughout the life of your tablets, protecting your data from hackers and breaches. Support for Private 5G and CBRS networks⁽¹⁾ gives you complete control over cellular connections, with added protection through SIM and eSIM required encryption.

Meets Any Barcode Scanning Need

Just need to capture barcodes occasionally? Thanks to the integrated software, you can capture barcodes with the 16 MP rear camera, right out of the box. Have more intense barcode scanning needs? The optional SE55 1D/2D Advanced Range scan engine with Intellifocus™ technology captures virtually any barcode in practically any condition in a split second over an extraordinary scanning range – from near contact up to 40 ft./12 m away.

Maximum Android power

Simplify multi-tasking and boost productivity with the latest Android features. Users can easily launch and switch apps on the fly with the new task bar – and drag-and-drop to open two apps simultaneously in split-screen mode. And with support up to Android 16, the devices you buy today will support the new business features of tomorrow.

Drive Workforce Productivity and Device Value to a New Level With Zebra Mobility DNA

The Industry's Most Complete and Proven Software Tools

Tools that simplify device integration allow you to create rich apps that take full advantage of your device's capabilities, build feature-rich web applications and easily capture and integrate barcode data into your apps – without writing any code. Tools that enable fast and easy deployment allow devices to provision themselves right out of the box, and you can stage a handful or thousands of devices with a scan of a barcode or tap on an NFC tag. Tools that simplify device management allow you to easily locate missing devices. You also get dependably superior Wi-Fi connections, control over the Google Mobile Services you want to activate and an easy way to test all major device systems to eliminate unnecessary trips to the repair depot. And tools that increase on-the-job productivity enable workers to easily manage Bluetooth accessories, restrict apps and device features to keep workers focused on the job, capture multiple barcodes on multiple labels with one press of the scan button – and more.

⁽¹⁾ CBRS is available in the US only

⁽²⁾ Requires purchase of a service contract

Explosion protection

Marking ATEX	<i>with scanner (Type B7-T2E2-*A*****K*RW)</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-T2E2-*A*****O*RW)</i> Ⓢ II 3G Ex ic IIC T4 Gc Ⓢ II 3D Ex ic IIIC T135 °C Dc IP 64
Certification	EPS 25 ATEX 1 087 X
Marking IECEx	<i>with scanner (Type B7-T2E2-*A*****K*RW)</i> Ex ic op is IIC T4 Gc Ex ic op is IIIC T135 °C Dc IP 64 <i>without scanner (Type B7-T2E2-*A*****O*RW)</i> Ex ic IIC T4 Gc Ex ic IIIC T135 °C Dc IP 64
Certification	IECEx EPS 25.0018X
Marking NEC/CEC 500/505	<i>with scanner (Type B7-T2E1-*A*****K*NA)</i> Class I, Div. 2, Groups A, B, C, D; Class II, Div. 2, Groups F and G; Class III, Div. 2; T4 Zone 2, AEx ic op is IIC T4 Gc Zone 22, AEx ic op is IIIB T135 °C Dc Ex ic IIC T4 Gc Ex ic op is IIIB T135 °C Dc <i>without scanner (Type B7-T2E1-*A*****O*NA)</i> Class I, Div. 2, Groups A, B, C, D; Class II, Div. 2, Groups F and G; Class III, Div. 2; T4 Zone 2, AEx ic IIC T4 Gc Zone 22, AEx ic IIIB T135 °C Dc Ex ic IIC T4 Gc Ex ic IIIB T135 °C Dc
Certification	<i>pending</i>
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	1.5 m (59 inch) drop to concrete exceeds MIL-STD-810H
Vibration	MIL-STD-810H Method 514.8 Operating, MIL-STD-810H Method 514.8 E-1 Minimum Integrity 7.7 Grms non-operating
Impact	Steel ball (130 g) dropped from 75 cm height

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)	1,074 g (2.3 lb)
Display	10.1"; 1,000 nits; optically bonded to touchpanel
Resolution	1900 x 1200 pixels; WUXGA
Touchpanel	Multi mode capacitive touch with bare or gloved fingertip input or stylus; Corning® Gorilla® Glass
Expansion Slot	User accessible MicroSD card; supports up to 2 TB
Connectivity	2x USB 3.1 Type A Ports; 1x USB 3.1 Type C Port (with Display Port 1.2 support)
Interface Ports and Expansion	Docking connector (charge and data); Keyboard connector; 1x USB 2.0 (back I/O - host only)
Notifications	Audible tone; 2x multi-color LEDs
Audio	Stereo speakers and two microphones; audio headset supported through USB port or Bluetooth; speaker/microphone support
Buttons	Power; Scan; Up/Down (volume or brightness); three programmable keys

Performance characteristics

CPU	Qualcomm® 6490 octa-core; 2.7 GHz
Operating system	Android™ 14 (upgradeable to Android™ 16)
Memory (RAM)	8 GB
Mass storage	128 GB UFS-Flash

Power

Charging	Through USB Type-C (USB PD3.0 compatible) port
Battery	Lithium-ion battery 4 V/8.920 mAh (36 Wh); Hot Swap battery mode ⁽³⁾
Battery Run Time	Standard battery: 10 hours indoor (WLAN on, 50% backlight) ⁽⁴⁾
Battery Charge Time	2.5 hrs from 4% to 80% with 45 W power supply

Sensors

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

⁽³⁾ For safety reasons, the battery may only be changed outside the hazardous area

⁽⁴⁾ Battery performance can vary according to usage conditions

Android is a trademark of Google LLC.

Data Capture

Scanner (optional)	SE55 1D/2D Advanced Range Scan Engine with IntelliFocus™ technology
Rear Camera	16 MP autofocus; flash LED generates balanced white light
Front Camera	8 MP; mechanical privacy shade
Camera Scanning	1D/2D barcodes; optional optical character recognition (OCR) for documents ⁽⁵⁾ , license plates, and more

Wireless PAN

Bluetooth	Bluetooth v5.2 Class 1, Bluetooth Low Energy (BLE)
NFC	NFC ISO 14443 Type A and B; Mifare, FeliCa and ISO 15693 cards, NFC Forum tags 2,3,4,5; Host Card Emulation, Contactless Payment Support, VAS (Value Added Services) and Wallet support

Wireless LAN

Radio	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax; 2x2 MU-MIMO; Wi-Fi 6E (802.11ax); Wi-Fi™ certified; Wi-Fi™ 6E Certified; Dual Band Simultaneous; IPv4, IPv6
Data Rates	6 GHz: 802.11ax – 20 MHz, 40 MHz, 80 MHz, 160 MHz – bis zu 2.402 Mbit/s; 5 GHz: 802.11a/n/ac/ax – 20 MHz, 40 MHz, 80 MHz, 160 MHz – bis zu 2.402 Mbit/s; 2,4 GHz: 802.11b/g/n/ax – 20 MHz – bis zu 286,8 Mbit/s
Fast Roam	802.11r Fast BSS Transition; PMK Caching; Cisco CCKM; OKC
Operating Channels	Channel 1-13 (2401-2483 MHz): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13; Channel 36-165 (5150-5850 MHz): 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144, 149, 153, 157, 161, 165; Channel 1-233 (5925-7125 MHz); Channel Bandwidth: 20/40/80/160 MHz; Actual operating channels/frequencies and bandwidths depend on regulatory rules and certification agency.
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/ WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES)—EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, LEAP and EAP-PWD; WPA3 Enterprise 192-bit mode (GCMP256) - EAP-TLS; Enhanced Open (OWE)
Certifications	Wi-Fi Alliance Certifications Wi-Fi CERTIFIED n; Wi-Fi CERTIFIED ac; Wi-Fi CERTIFIED 6; Wi-Fi Enhanced Open; WPA2-Personal; WPA2-Enterprise; WPA3-Personal; WPA3-Enterprise (includes 192-bit mode); Protected Management Frames; Wi-Fi Agile Multiband; WMM; Wi-Fi Direct

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

SIM Slots	1x eSIM, 1x Nano SIM
Radio Frequency Band	5G FR1 (n1, 2, 3, 5, 7, 8, 12, 13, 14, 20, 25, 26, 28, 29, 30, 38, 40, 41, 48, 66, 71, 77, 78) 4G 4G (B1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 42, 43, 46, 48, 66, 71) 3G (B1, 2, 4, 5, 8)
LTE/5G Private Networking	Supported
GNSS	GPS, GLONASS, Galileo, Beidou, QZSS Dual-Band GNSS–concurrent L1/G1/E1/B1 (GPS/ QZSS, GLO, GAL, BeiDou) + L5/E5a/BDSB2a (GPS/QZSS, GAL, BeiDou); a-GPS; supports XTRA

Warranty

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

Service contracts

Comprehensive coverage, available as 3 years
--

Scope of delivery

– BARTEC ET60/65 ^{EX2} Android Tablet – Standard battery – 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.
--

⁽⁵⁾ OCR Wedge license required for each data type

Order information – Rest of world

BARTEC ET60^{EX2} Android Tablet – Marking ATEX/IECEX Zone 2/22 – WLAN only		BARTEC ET65^{EX2} Android Tablet – Marking ATEX/IECEX Zone 2/22 – Supports WWAN frequency bands outside North America	
without Scanner	B7-T2E2-0A0CQAGS00RW	without Scanner	B7-T2E2-5AECQAGS00RW
with SE55 1D/2D Advanced Range Scan Engine	B7-T2E2-0A0CQAGSK0RW	with SE55 1D/2D Advanced Range Scan Engine	B7-T2E2-5AECQAGSK0RW

Order information – North America

BARTEC ET60^{EX2} Android Tablet – Marking NEC/CEC 500 Class I, II, III Div. 2; and NEC/CEC 505 Zone 2/22 – WLAN only		BARTEC ET65^{EX2} Android Tablet – Marking NEC/CEC 500 Class I, II, III Div. 2; and NEC/CEC 505 Zone 2/22 – Supports CBRS and WWAN frequency bands for North America only (US, Canada and Puerto Rico)	
without Scanner	B7-T2E1-0A0CQAGS00NA	without Scanner	B7-T2E1-5AECQAGS00NA
with SE55 1D/2D Advanced Range Scan Engine	B7-T2E1-0A0CQAGSK0NA	with SE55 1D/2D Advanced Range Scan Engine	B7-T2E1-5AECQAGSK0NA

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 UUUPC/
	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