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Pixavi Phone with Scan Module

Intrinsically Safe Smartphone with Barcode Scanner

The Pixavi Phone brings best-in-class technical specifications into the toughest environments with confidence and style. Highly ruggedized, yet elegant and sleek, the intrinsically safe Android Pixavi Phone guarantees safety, reliability, and top performance. Simply put, it's the safe choice for high performance in hazardous areas.

With the additional Scan Module, with integrated Zebra Scan Engine and a range of up to 14 m, you can read a variety of 1D and 2D barcodes to streamline everyday business processes. Your employees will have everything they need to work smarter and faster, optimizing their workflows.

The Pixavi Phone with Scan Module is approved for ATEX/IECEx/UKEX Zone 1/21 and NEC Class I Div1/Zone 0.

Further local certifications are possible on customer request.

– Android 11
– 5.5" Full-HD AMOLED Display
– Qualcomm Snapdragon 660
– Latest scan engine from ZEBRA Technologies
– Reading range up to 14 m
– WiFi 5 / Bluetooth 5.0 / 4G (LTE)
– Light and sleek design
– Snap-on scan handle accessory available

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Pixavi Phone

Explosion protection

Marking ATEX	⟨Ex⟩ II 2G Ex ib IIC T4 Gb ⟨Ex⟩ II I 2D Ex ib IIIC T135°C Db IP68
Certification	CSANe 20ATEX4223X
Marking IECEx	Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP68
Certification	IECEx SIR 20.0036X
Marking NEC	Class I, Zone 0, AEx ia IIC T4 Ga
Certification	22CA80042090X

Other approvals and certificates, see
www.bartec.com

User environment

Operating temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Charging temperature	0 °C to +40 °C (+32°F to +113°F)
Protection class (IEC 60529)	IP68

Technical data

Processor	Qualcomm® Snapdragon 660 Octa-Core 2.2 GHz
Memory (RAM)	4 GB LPDDR4X
Mass storage	64 GB
Storage expansion	User accessible MicroSD slot; supports up to 128 GB SDXC (UHS-1)
GPU	Qualcomm® AdrenoTM 512
SIM	Dual-SIM or Single-SIM + SD Card
Operating system	Android 11
Google Mobile Services	Yes, access to Google apps, including Google Play Store
Security	Regular security updates
Size (W x L x H)	164 mm x 84 mm x 14.5 mm (6.4 inch x 3.3 inch x 0.57 inch)
Weight (with battery)	293 g (0.64 lb)
Display	5.5'' AMOLED Display
Resolution	1920 x 1080 Pixel; 400 ppi
Front glass	Corning Gorilla glass
Touch function	Capactive Touch
Usability	Stylus, bare or gloved fingertip input
Battery	Lithium-ion battery 3.8 V/3.200 mAh (12.16 Wh); Must only be changed and charged outside hazardous areas.
Notifications	Audible tone: multi-color LEDs; vibration
Voice & Audio	Two microphones; Vibrate alert; Speaker; Bluetooth wireless headset support, High quality speakerphone; Cellular circuit switch voice; HD Voice
Buttons	1x on/off button, 1x programmable function button and 2x volume buttons (+/-)

Camera	– Back Camera: Video Recording 4K UHD; Snapshot 12MP; Slow Motion Video 120FPS; Zoom Digital 8x; Horizontal FOV 65.87; Vertical FOV 51.82; Auto Focus PDAF; Focal Length 4.36; F Number 1.8; Supports barcode capture – Front Camera: Video Recording HD 1080P; Snapshot 8MP; Zoom Digital 8x; Horizontal FOV 68.8; Vertical FOV 54.37; Auto Focus Fixed; Focal Length 2.671; F Number 2.2; Supports barcode capture
NFC	supported standards: NFCA (ISO14443-3A) NFCB (ISO14443-3B) NFCF (JIS X 6319-4) IsoDep (ISO 14443-4) NFC Forum Tag Types 1, 2, 3, 4, 5 ISO 15693 (NDEF formatted) MIFARE Classic MIFARE Ultralight The NFC antenna is in the battery
Cellular Frequency Band Version EU, UK and AU	– GSM 850/900/1800/1900MHz Peak transmit power: 33 dBm – UMTS B1/B2/B4/B5/B8 Peak transmit power: 24 dBm – LTE B1, B2, B3, B4, B5, B7, B8, B20, B28, B38, B39, B40, B41 Peak transmit power: 23 dBm
Cellular Frequency Band Version US	– UMTS B2/B4/B5 Peak transmit power: 24 dBm – LTE B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B41, B66, B71 Peak transmit power: 23 dBm
VoLTE / VoWiFi	Yes (Carrier dependent)
WiFi	WiFi 5 (2.4/5 GHz 802.11a/b/g/n/ac) Radio frequency / Peak transmit power: 2402-2482 MHz / 16 dBm 5180-5825 MHz / 15 dBm
Bluetooth	Bluetooth 5.0 and BLE Radio frequency / Peak transmit power: 2402-2480 MHz / 10 dBm
GNSS	GPS, Galileo, GLONASS and Beidou
External I/O	Magnetic USB 2.0 High Speed (Client) Must only be used outside hazardous areas.
Scope of delivery	– Pixavi Phone – Battery – Screen protector – Charger – Charging Cable – Battery Tool – SIM/SD Tray Ejector Tool – Quick Start Guide (EN)

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Scan Module

Explosion protection

Marking ATEX	⬡ II 2G Ex ib op is IIC T4 Gb
	⬡ II 2D Ex ib op is IIIC T135°C Db IP68
Certification	CSANe 23ATEX1078X
Marking IECEx	Ex ib op is IIC T4 Gb
	Ex ib op is IIIC T135°C Db IP68
Certification	IECEx CSAE 23.0015X
Marking UKEX	⬡ II 2G Ex ib op is IIC T4 Gb
	⬡ II 2D Ex ib op is IIIC T135°C Db IP68
Certification	CSAE 23UKEX1064X
Marking NEC	Class I; DIV 1; GP A, B, C and D; T4
	Ex ia op is IIC T4 Ga
	Class I, Zone 0, AEx ia op is IIC T4 Ga
Certification	CSA 23CA80141535X

Other approvals and certificates, see **www.bartec.com**

User environment

Operating temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Charging temperature	0 °C to +40 °C (+32°F to +113°F)
Protection class (IEC 60529)	IP68

Technical data

Size (W x L x H)	94 x 75 x 29.5 mm (3.7 x 2.95 x 1.16 inch)
Weight	approx. 130 g (0.29 lb), (without Pixavi Phone)
Battery	Lithium-ion battery, 3.8 V/3.200 mAh (12.16 Wh)
Requirement to the Operating system	At least Android 11 (older operating system versions do not support the scan module)
Barcode capture	– SE55 from ZEBRA: 1D/2D High performance scanner omnidirectional, reading range up to 14 m depending on type, size and quality of the barcode
	– Supported symbologies/barcodes: see table
Decoder Board	The SE55 is controlled via the decoder board PL5000
123Scan Utility (Freeware)	The scanner parameters can be configured in offline mode for the PL5000 decoder board.
	Features:
	– Enable/disable barcode types/families
	– Set scanner parameters
	– Barcode prioritization with "Preferred Symbol"
	– Data modification using:
	– Basic modification for prefix/suffix
	– ADF – Advanced Data Formatting
	– MDF – Multicode Data Formatting
	The configuration is printed out as a programming barcode and can be transferred by scanning the barcode.
	Note: A connection from the scan module to the 123Scan Utility via USB is not supported.
	Available as freeware at: zebra.com
Warranty	1 year
Scope of delivery	– Scan Module
	– Battery tool
	– Quick Start Guide (EN)

Supported Symbologies / Barcodes

1D/Linear Symbol/Codes	Chinese 2 of 5
	Codabar
	Code 11
	Code 32
	Code 39 (Trioptic)
	Code 93
	Code 128
	GS1-128
	ISBT 128
	Discrete 2 of 5
	GS1 DataBar variants
	Interleaved 2 of 5
	Korean 3 of 5
	Matrix 2 of 5
	MSI
	UPC/EAN code family (UPC-A; UPC-E; EAN-13/JAN13; EAN-8/JAN8; Bookland EAN, UCC Coupon Code)
2D Stacked and 2D Matrix Symbol/Codes	Aztec
	Composite Codes (CC-C; CC-A/B; TLC-39)
	DotCode
	Data Matrix
	GS1-Data Materix
	Gridmatrix
	Han Xin
	Maxicode
	PDF417
	MicroPDF417
	QR Code
	Micro QR Code
	GS1-QR Code
Postal Symbol/Codes	US Postnet
	US Planet
	UK Postal
	Japan Postal
	Australian Postal
	USPS 4CB/One Code/Intelligent Mail
	Netherlands KIX
	UPU FICS
	Mailmark

Accessories

See datasheet: Pixavi Phone/Cam Accessories
It is absolutely necessary to use original accessories from BARTEC !

Ordering information for bundle

Pixavi Phone (EU) with Scan Module	17-S133-1111/11111055
Pixavi Phone (US) with Scan Module	17-S133-1211/11112055
Pixavi Phone (AU) with Scan Module	17-S133-1111/11113055
Pixavi Phone (UK) with Scan Module	17-S133-1211/11114055

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