

Pixavi Phone

Datasheet



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.

The Pixavi Phone is approved for ATEX and IECEx Zone 1/21 and NEC Class I, Zone 0.

Further local certifications are possible on customer request.

- Android 11
- 5.5" Full-HD AMOLED Display
- Qualcomm Snapdragon 660
- 12 MP Back Camera
- 8 MP Front Camera
- Dust- and Waterproof (IP68)
- WiFi 5 (2.4/5 GHz 802.11a/b/g/n/ac)
- Bluetooth 5.0
- 4G (LTE) / 3G / 2G
- Dual-SIM or Single-SIM + SD Card
- GNSS

Explosion protection

Marking ATEX	<ul style="list-style-type: none"> ⊕ II 2G Ex ib IIC T4 Gb ⊕ II I 2D Ex ib IIIC T135°C Db IP68
Certification	CSANe 20ATEX4223X
Marking IECEX	<ul style="list-style-type: none"> 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 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® Adreno™ 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	Capacitive 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

Radio Frequency Band

- **GSM (Worldwide version)**
850/900/1800/1900MHz
Peak transmit power: 33 dBm
- **UMTS (Worldwide version)**
B1/B2/B4/B5/B8
Peak transmit power: 24 dBm
- **UMTS (US version)**
B2/B4/B5
Peak transmit power: 24 dBm
- **LTE (Worldwide version)**
B1, B2, B3, B4, B5, B7, B8, B20, B28, B38, B39, B40, B41
Peak transmit power: 23 dBm
- **LTE (US version)**
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)

Accessories

See datasheet: Pixavi Phone Accessories

It is absolutely necessary to use original accessories from BARTEC!

Ordering Information

Pixavi Phone (EU)	17-S133-1111/11111000
Pixavi Phone (US)	17-S133-1211/11112000
Pixavi Phone (AU)	17-S133-1111/11113000
Pixavi Phone (UK)	17-S133-1111/11114000

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Technical data subject to change without notice.