

ATEX Rugged Tablet

BGA10ST EX

Powerful, ATEX-certified rugged tablet built for the most demanding industrial environments.

10.1" IPS
HIGH-BRIGHT DISPLAY

10000mAh
UP TO 10 HRS USE

IP65
INGRESS PROTECTION

8CORE
MTK8781 PROCESSOR



KEY FEATURES



ATEX & IECEx Certified

Certified to EN IEC 60079-0:2018 & EN 60079-11:2012 by CSA Group B.V., rated II 3GD for use in explosive atmospheres.



High-Brightness Display

10.1" 1920x1200 IPS panel with Corning Gorilla Glass 3 and 700 nits brightness for clear viewing in direct sunlight.



Octa-Core Performance

MTK8781 Octa-Core processor running at 2.0 GHz with ARM Mali-G57 MC2 GPU, 8 GB RAM and 128 GB storage as standard.



10,000 mAh Battery

Large-capacity Li-ion battery delivers up to 10 hours of continuous operation on a single charge.



Comprehensive Connectivity

Integrated 4G Data, Wi-Fi 802.11 a/b/g/n/ac, Bluetooth 5.2 LE, GPS/Galileo/GLONASS, NFC and RS232 serial port as standard.



Multiple Input Options

10-point capacitive touch with optional fingerprint scanner, barcode reader and LF, HF or UHF RFID for flexible data capture.



Wide Temperature Range

Operates from -20 °C to +55 °C and stores from -30 °C to +70 °C, suitable for outdoor and cold-store deployment.



Dual Cameras

16-megapixel rear camera with flash and 8-megapixel front camera support documentation, video calling and inspection workflows.

PROCESSOR

CPU	MTK8781, Octa-Core, 2.0 GHz
GPU	ARM Mali-G57 MC2

OPERATING SYSTEM

OS	Android 13
----	------------

MEMORY & STORAGE

RAM	8 GB (12 GB option)
Storage	128 GB (256 GB option)
Micro SD	Up to 256 GB

DISPLAY & TOUCH

Size	10.1" IPS, 16:10
Resolution	1920 × 1200
Touch	10-point capacitive
Glass	Corning Gorilla Glass 3
Brightness	700 nits (1000 nits option)

CONNECTIVITY

Cellular	2G / 3G / 4G
Wi-Fi	802.11 a/b/g/n/ac
Bluetooth	5.2 LE
NFC	13.56 MHz reader
USB	1× USB 2.0 Type-C OTG, 1× Type-A
Serial	1× RS232
SIM	1× Micro SIM
Audio	3.5 mm headphone jack

POSITIONING / GPS

Systems	GPS / Galileo / GLONASS
---------	-------------------------

CAMERA

Rear	16 MP with flash
Front	8 MP

SENSORS

Sensors	Compass, Proximity, Light, Gravity, Gyro
---------	--

BATTERY

Capacity	Li-ion 3.8 V / 10,000 mAh
Usage	Up to 10 hours

POWER ADAPTER

Input	100–240 V AC
Output	5 V DC, 3 A

ENCLOSURE

Material	ABS + PC Plastics
----------	-------------------

RUGGEDNESS & CERTIFICATIONS

ATEX Class	EX Class II, KA Class I, MA Class I
IECEx Rating	EX ic IIC T4 Gc / IIIC T135°C Dc
Marking	II 3GD
IP Rating	IP65
Military Std	MIL-STD-810H
Standards	EN IEC 60079-0:2018, EN 60079-11:2012
Other	CE-NB, RoHS, GJB 150.18A-2009, GJB 150.1A-2009
Operating Temp	-20 °C to +55 °C
Storage Temp	-30 °C to +70 °C

OPTIONAL ADD-ONS

Extend the BGA10ST EX with a range of purpose-built accessories to suit your operational requirements.



Barcode Scanner

Optional 1D/2D barcode scanner module for rapid asset and inventory data capture.



LF & UHF RFID

Optional LF and UHF RFID modules complement the standard HF NFC reader for extended tag range.



Docking Station

Single-bay dock with 2× USB, LAN and Serial port for desktop charging and data transfer.



RTK GPS

Optional RTK positioning module for high-accuracy centimetre-level field surveying.



Fingerprint Scanner

Optional biometric fingerprint scanner for secure user authentication in the field.

