Intrinsically Safe Smartphone

The BARTEC PIXAVI Impact X is the toughest smartphone you will ever meet. This intrinsically safe smartphone has all the functionality you will expect from a regular smartphone. The CSA, IECEx and ATEX certification has not compromised the quality and usability. The device is explosion proof and rated for use in hazardous areas. The Impact X is the next generation wireless video communication technology from BARTEC PIXAVI.

APPLICATIONS
- Oil and Gas
- Petrochemical
- Mining
- Manufacturing

FEATURES
- Ambiance sensor
- Front camera
- Proximity sensor
- Gorilla Glass
- Navigation buttons
- Micro USB
- Speaker
- SIM card slot
- Audio Jack
- Power and Volume buttons
- Ambient camera
- Flash & Video light
- Primary camera
- Stereo Microphone
- Rugged aluminum housing
- Induction charging area
- Power button
- Dedicated camera button
- Glove compatible

BENEFITS
- Better decisions
- Increase flexibility
- Decrease travel expenses
- Improve work routines

SPECIFICATIONS
- Double battery capacity
- CSA, ATEX and IECEx
- Rugged, IP 68
- Operation system Android

NO COMPROMISES
Ruggedized and Ex certified products have been synonymous with low performance, outdated technology and bulky form factors. We wanted to change that! Our customers came to us and said they wanted the same performance and form factor in their Ex certified devices as consumer devices. We also added some features that no other smartphone has.

VIDEO AND IMAGING CENTRIC
We designed the Impact X smartphone with hazardous industrial environments in mind, where battery lifetime, ruggedness, usability, sunlight readability, glove compatible touch screen, moisture immune touch screen, ergonomic grip and hand strap makes it usable and ergonomic.

ERGONOMIC FEATURES
FlipScape™: One-hand videography, anti smudge recess for camera glass, anti smudge coating on glass, dedicated camera button, glove compatible touch screen, moisture immune touch screen, ergonomic grip and hand strap makes it usable and ergonomic.

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Certifications

Marking
ATEX Ex ib op is IIC T4 Gb
IECEx Ex ib op is IIC T4 Gb
CSA Class I, Ex ib IIC T4 Gb
CSA US Class I, AEx ib IIC T4 Gb

HS Code 8517.12.00
Country of Origin «Made in Norway»

Temperature range
Operating temperature -20 °C to +45 °C
Storage temperature -40 °C to +60 °C

Video & Imaging
Video quality Full HD video (1080 p, 30 fps)
Imaging 8 megapixel still images
Image capture Dedicated camera button
Video codecs H.264/AVC
Zoom 4 x
Storage capacity 32 GB

Ruggedness
Impact 2 joule impact proof
Drop 2 meter drop proof
Submersible IP 68 waterproof
Housing Made from one piece of aluminium
Connections Covered USB port
Screen 2 mm Gorilla glass

Audio
Microphone Digital omni directional microphone
Audio Full duplex audio communication
Video recording Stereo microphones on back
Headset Handsfree support
Wireless Headset Bluetooth audio headset support
Handsfree Integrated mic and speaker
Audio codec CD quality AAC LD
Sound quality Echo cancellation
Audio out 3.5 mm standard connection

Sensors
Orientation 3 axis gyroscope
Positioning Global Positioning System (GPS)
Acceleration Accellerometer
Navigation Compass
Temperature Sensor
Pressure Sensor

Power input
Battery 3000 mAh
Standby 100 h
Talk time 8 h
Video streaming 4 h full operating time

Scope of Delivery
Charger USB
Warranty 1 year hardware warranty
User Manual Quick guide
USB cable USB cable for charging and data transfer
Software updates Available through Collaboration Suite
Product box with custom shaped foam inlays

Size and Weight
Size 150 mm x 65 mm x 12 mm
Weight 290 g (10 oz)

Display and touchscreen
Screen size 4.3” Retina display
Resolution 480 x 800 pixels
Brightness Direct sunlight readable display
Touchscreen Glove compatible capacitive touch
Glass Gorilla Glass (IP 68)
Buttons On/Off, Volume, Camera, Android

Applications
HD Video Collaboration SIPIDO
Management Solution Collaboration Suite
Browser Full blown HTML5
Document Viewing PDF and Office documents
ERP Compatible with ERP systems
Apps Google Play, Dropbox™, Picasa™, Flickr™

Ergonomics
Image capture Flipscape™: One hand videography
Dirt proof Anti smuge recess for camera glass and screen
Touchscreen Glove compatible, moisture resistive
Form factor Fits in hand and pocket
Dropped object Hand strap for ergonomic grip

Networking
Wi-Fi 802.11 a/b/g/n (2.4 GHz & 5 GHz)
Cellular 3G/HSPA+ (CDMA available)
Bluetooth Bluetooth 4.0
Video Conferencing Skype, SIP, H.323
Streaming ISMA, RTSP, HTML5, WebRTC
Network Firewall traversal technology
Bandwidth Dynamic Bandwidth Control
QoS Diffserv, IP precedence (QoS)

Operation system
Android 5.1.1 Lollipop