EX-SM14

Explosion Protected
Smart Mobile Device

Product Overview:

The EX-SM14 is an explosion protected Smart mobile device designed for use in hazardous areas and harsh environments such as onshore, offshore, marine, chemical and non-domestic environments. Next to the IP68 and MIL-STD-810G certification the units are certified for use in Zone1/Zone2 IIC T4, Div1/Class1 and Inmetro (certification pending).

Our smartphone is equipped with all hardware features that may be expected of a modern smartphone, build into an industrial body to ensure reliable communication at all times. The quad core 1,2 Ghz processor and Android operation system ensure that every mainstream app will run flawlessly.

To enable dedicated solutions such as Lone Worker Protection (LWP) and Mobile Smart Worker (MSW), our device is fitted with an 8MP camera for high quality photography and video streaming. The GPS, Accelerometer, Gyro and Compass enable 'man-down detection' features to monitor the well-being of your employees in real-time.

The 4,5" high resolution display provides the perfect opportunity to bring information to your remote employees in real-time. Accurate, on-time and readable.

The EX-SM14 is the corner stone in BCom's product portfolio which includes a variety of Bluetooth accessories such as Gas detection, LEL-meter, hart-beat sensors, in-building localization, track&trace software, manual as well as automated man-down detection and video streaming.

The unique dual SIM capability including dual standby allows for flexible roaming solutions and increased reliability.

Product highlights:

- ◆ ATEX, IECex, UL, INMETRO, IP68 Certification in progress
- ◆ Onshore, Offshore, Marine & Heavy Industrial Applications
- ◆ IP68 Fully ruggedized
- ◆ 8 Megapixel camera
- ◆ Bluetooth 4.0
- ◆ Compass Altimeter, Man Down, Track & Trace
- ◆ Dual SIM Standby
- ◆ WiFi 802.11 b/g/n
- ◆ Android 4.2 Operation System
- ◆ Quad Core 1.2 Ghz

Technical Specifications:

SmartPhone	EX-SM14
Certification Part Number	N.A.
Application	Zones 1, 2, Div1 Class 1 Onshore, Offshore, Marine and Heavy Industrial
ATEX Certification	II2G Ex ib IIC T4 Gb（expected in March 2014） II 2tD ib IIIC 135C Db（expected in March 2014）
IECEx	IECEx（expected March 2014）
CSA	Div 1 Class 1（Pending）
Inmetro	Pending
Ingress Protection Rating	IP68 Waterproof 40 min. submersed in 1.2 meters water
Configuration	
Camera	8 Megapixel back/ 0,3 Megapixel camera front
Display	4.5 Inch（LCD）high impact resistant WVGA 1280x720 with high brightness capacity
Bluetooth	4.0
Telecom network support	GSM:850/900/1800/1900MHz WCDMA:850/1900/2100 MHz High Speed Downlink Packet Access: 42.2 Mbps Uplink speed : 11,5 Mbps
Wifi	802.11 b/g/n
Sensors	GPS, A-GPS, EPO, Accelerometer, Gyro, Compass, Auto light sensor
OS	Android 4.2 Jelly Bean
Chipset	MTK, MT6589T Coretex A7 with PowerVR Series5XT GPU（28nm architecture）
CPU Speed	Quad core 1.2 Ghz
Memory	1024 MB / 1 GigaByte or higher with SD upgrade
Storage Memory	4 Gigabyte（approx. 1.2 gigabyte free for user）with SD upgrade（max.32GB SD Card）
Battery	Li-ion minimum 2200 mAh
Special features	Dual Sim / Dual Standby / Man Down /Track Trace / Additional Bluetooth integration
Operating Temperature	-20°C to +40°C
Dimensions	76x148x18mm（WxLxD）
Weight	209 gram
Integration	Remote Management Device Software/ Live Video & audio conference Streaming applications/ Push to Talk /3rd party Database integration
Important Notice	These specifications are a guideline until certification is complete.s