



Lumen X 7
7" INDUSTRY TABLET

Lumen X 4
4.3" INDUSTRY MOBILE COMPUTER



Lumen X DEVICE SERIES

MOBILE SOLUTION FOR THE EX AREA

The mobile Lumen X range of devices combines excellent smartphone and barcode scanner functions in a single robust, powerful device series.

FOR EXTREME APPLICATION FIELDS

The devices are waterproof (IP 65), have proven resistance to falls and have been certified in accordance with military standards (MIL-STD-810G). The Lumen X range functions safely and reliably, even in extreme temperatures.

Use is guaranteed at temperatures of between -20 °C and +50 °C both inside and outside potentially explosive areas. This ensures durability and functionality of the devices even when used under the toughest conditions.

READABILITY AND DATA CAPTURE

The display is visible in sunlight and guarantees ideal conditions for operation and reading even in unfavourable light. The user can also operate the display without difficulty when wearing work gloves.

An integrated barcode scanner in the Lumen X4 makes the device to a multifunctional companion. Individually configurable function keys optimize the usability of the devices.

NAVIGATION AND POSITION SENSING

Large industrial installations can make it a real challenge to locate the application site. The Lumen X range has very accurate GPS. As a result it is easy to determine the position of the device and also to navigate safely.

POWERFUL BATTERY AND QUAD CORE PROCESSOR

A modern quad core processor makes the Lumen X series to high performance devices.

The lithium polymer battery in the Lumen X range, which can be replaced easily without tools, has a battery life of up to 20 hours in mixed operation. Added to this is an excellent talk time of up to 18 hours and a very long standby time of up to 800 hours. A complete battery charge takes 2.5 hours (Lumen X4) and 3.5 hours (Lumen X7).

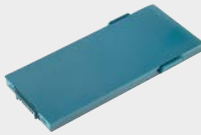
MODULAR, FLEXIBLE AND FUTURE-PROOF

The multifunctional devices feature a capacitive multi-touch display, an integrated 1D/2D barcode scanner (Lumen X4, optional), a powerful battery, data transmission via Bluetooth, WLAN, HSPA+, NFC.

Two high resolution cameras enable video telephony and photographic records directly at the application site. Integrated Bluetooth, WLAN and LTE radio modules that meet European mobile phone standards provide the basis for efficient networking and communication.

« Lumen X, the mobile device series of BARTEC. Robust. Handy. Powerful. »

					
Enterprise ready	ATEX, IECEx and NEC certified	Powerful and efficient processor	Future-proof design	Rugged and lightweight	Battery change without tools

 Docking station	 Battery charging device	 Soft case holster	 Hand strap	 Battery 3900 mAh
 Desktop docking station (non-Ex)	 Vehicle docking station (non-Ex)	 Carry case with shoulder strap	 Hand strap	 Battery 5300 mAh



Lumen X7

7" INDUSTRY TABLET

Explosion protection

ATEX	 II 3G Ex ic IIC T5 Gc  II 3D Ex ic IIIB T100 °C Dc Certification EPS 15 ATEX 1 037 X
IECEx	Ex ic IIC T5 Gc Ex ic IIIB T100 °C Dc Certification IECEx EPS 15.0053X
UL	Class I Div. 2 Groups A, B, C and D T6 Certification UL File E321557
Protection class (IEC 60529)	IP 54 (non-Ex IP 65)
Other approvals	CE, FCC, CCC

Technical data

System specification	
Processor	ARM® Cortex™-A7 Quad Core 1.5 GHz
RAM	1 GB Mobile DDR2
Hard disk space	16 GB eMMC
Memory option	Micro SD card up to 32 GB supported
Operating system	Android 4.2.1 (Jelly Bean)
Display and touch function	
Size	7" WSVGA TFT LCD display
Resolution	1024 x 600 pixels
Touch function	Projective capacitive multi-touch
Wireless communication	
WLAN WiFi	IEEE 802.11 a/b/g/n
Bluetooth	Version 3.0 + EDR
GPS	integrated
WWAN (optional)	for data transmission only 3.75G - HSPA/UMTS/GPRS/WCDMA/GSM
Sensors	
Sensors	Light sensor, gyrometer, G sensor, ECompass
Data capture	
Camera	5 MP camera with autofocus and LED flash on the back
Size and weight	
Size (length x width x height)	212.4 mm x 132.8 mm x 19 mm (8.36 inch x 5.23 inch x 0.75 inch)
Weight	approx. 600 g (approx. 1.32 lb) with battery
Temperature	
Operating temperature	-10 °C to +50 °C (+14 °F to +122 °F)
Energy management	
Battery	Lithium polymer battery 3.7 V/5300 mAh
Optional accessories	
for the Ex area	Spare battery, hand strap, capacitive stylus, display protection film, micro SD card
for the non-Ex area	Mains adapter with EU and US plug, desktop docking station, vehicle docking station, car charger, carry case

Lumen X4

4.3" INDUSTRY MOBILE COMPUTER

Explosion protection

ATEX	 II 3G Ex ic IIC T5 Gc  II 3D Ex ic IIIB T100 °C Dc Certification (applied for)
IECEx	Ex ic IIC T5 Gc Ex ic IIIB T100 °C Dc Certification (applied for)
CSA	Class I Div. 2 Groups A, B, C and D T5 Certification (applied for)
Protection class (IEC 60529)	IP 54 (non-Ex IP 65)
Other approvals	CE, FCC, CCC

Technical data

System specification	
Processor	ARM® Cortex™-A7 Quad Core 1.5 GHz
RAM	1 GB SDRAM
Hard disk space	4 GB eMMC
Memory option	Micro SD card up to 32 GB supported
Operating system	Android 4.2.1 (Jelly Bean)
Display and touch function	
Size	4.3" WVGA TFT LCD display
Resolution	480 x 800 pixels
Touch function	Projective capacitive multi-touch
Wireless communication	
WLAN WiFi	IEEE 802.11 a/b/g/n
Bluetooth	Version 3.0 + EDR
GPS	integrated
WWAN (optional)	for data transmission only 3.75G - HSPA/UMTS/GPRS/WCDMA/GSM
Sensors	
Sensors	Light sensor, gyrometer, G sensor, ECompass
Data capture	
Camera	8 MP camera with autofocus and LED flash on the back; 2 MP camera on the front
Scan Engine	1D/2D Imager (optional)
Size and weight	
Size (length x width x height)	132.7 mm x 82 mm x 25.7 mm (5.22 inches x 3.23 inches x 1.01 inches)
Weight	280 g (0.62 lb) with battery
Temperature	
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Energy management	
Battery	Lithium polymer battery 3.7 V/3900 mAh
Optional accessories	
for the Ex area	Spare battery, hand strap, display protection film, micro SD card
for the non-Ex area	USB mains adapter for EU, UK, US and AUS, USB cable (type A to micro type B), micro USB host cable (OTG), 2-fold charger for Lumen X4, battery charger, strap