BARTEC

Lumen ✕ Industry Tablet/Touch Computer

Lumen ✕ Industry Tablet/Touch Computer

BARTEC

Lumen ✕7
7" INDUSTRY TABLET

- RFID HF reader
- 5 MP camera
- 7" touchscreen, visible in sunlight
- Battery change without tools
- Memory extension using micro SD card
- Data transmission via Bluetooth, WLAN, HSPA+, NFC
- Rugged, waterproof enclosure, IP 65
- Integrated telephone function

Lumen ✕4
4.3" INDUSTRY TOUCH COMPUTER

- Barcode-Scanner (optional)
- 8 MP camera
- Replaceable battery
- Memory extension using micro SD card
- 2 MP camera
- Data transmission via Bluetooth, WLAN, HSPA+, NFC
- 4.3" touchscreen, visible in sunlight
- Rugged, waterproof enclosure, IP 65
- Integrated telephone function

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

Lumen X4

2-slot charging station	2-slot battery charging station	Leather protective holster	Hand strap	Battery 3900 mAh

Lumen X7

Docking station (non-Ex)	Vehicle docking station (non-Ex)	Hand strap	Battery 5300 mAh

Lumen ✕ 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 -10 °C and +50 °C both inside and outside potentially explosive atmospheres. 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 unfavorable 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 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) or 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 optional for Lumen X4, 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. »

AREAS OF USE	FEATURES	BENEFITS	TECHNOLOGY
Logistics, warehouses, transport	Military specification (MIL)	Mobile, robust	Capacitive touchscreen
Public safety	Large operating temperature range	Increased security	Android operating system
Oil & gas industry, power engineering	High-performance, replaceable battery	Optimized work flows	Powerful quad-core processor
Petrochemical industry	Integrated barcode scanner	Integrated 8 MP camera	Bluetooth, WLAN, HSPA+, NFC

Lumen ✕ 7 — 7" INDUSTRY TABLET

Explosion protection

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

Technical data

Processor	ARM® Cortex™-A7 Quad Core 1.5 GHz
RAM	1 GB Mobile DDR2
Hard disk space	16 GB eMMC
Memory option	MicroSD card up to 32 GB supported
Operating system	Android 4.2.1 (Jelly Bean)
Size	7" WSVGA TFT LCD display
Resolution	1024 x 600 pixels
Touch function	Projective capacitive multi-touch
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	Light sensor, gyrometer, G sensor, eCompass
Camera	5 MP camera with autofocus and LED flash on the rear
Size (length x width x height)	212.4 mm x 132.8 mm x 19 mm
Weight	approx. 600 g (approx. 1.32 lb) with battery
Operating temperature	-10 °C to +50 °C
Battery	Lithium polymer battery 3.7 V/5300 mAh
Optional accessories for use in Ex areas	Battery, hand strap, stylus, screen protector, microSD card
Optional accessories for use in non-Ex areas	Power supply with vehicle adapter, power supply with plug-in adapter EU/US, docking station, vehicle docking station

Lumen ✕ 4 — 4.3" INDUSTRY TOUCH COMPUTER

Explosion protection

Marking ATEX	⟨Ex⟩ II 3G Ex ic IIC T5 Gc ⟨Ex⟩ II 3D Ex ic IIIB T100 °C Dc
Certification	EPS 16 ATEX 1 039 X
Marking IECEx	Ex ic IIC T5 Gc Ex ic IIIB T100 °C Dc
Certification	IECEx EPS 16.0016X
Marking CSA	Class I Div. 2 Groups A, B, C and D T5
Certification CSA	File: 70043322
Protection class (EN/IEC 60529)	IP 54 (non-Ex IP 65)
Other approvals	CE, FCC, CCC

Technical data

Processor	ARM® Cortex™-A53 Quad Core 1.3 GHz
RAM	2 GB SDRAM
Hard disk space	16 GB eMMC
Memory option	MicroSD card up to 32 GB supported
Operating system	Android 5.1 (Lollipop)
Size	4.3" WVGA TFT LCD display
Resolution	480 x 800 pixels
Touch function	Projective capacitive multi-touch
WLAN WiFi	IEEE 802.11 a/b/g/n
Bluetooth	Version 4.1 + EDR
GPS	integrated
WWAN (optional)	for data transmission only 4G-GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA/LTE
Sensors	Light sensor, gyrometer, G sensor, eCompass
Camera	8 MP camera with autofocus and LED flash on the rear; 2 MP camera on the front
Scan Engine	1D/2D Imager (optional)
Size (length x width x height)	132.7 mm x 82 mm x 25.7 mm
Weight	280 g with battery
Operating temperature	-20 °C to +50 °C
Battery	Lithium polymer battery 3.7 V/3900 mAh
Optional accessories for use in Ex areas	Battery, hand strap, screen protector, microSD card
Optional accessories for use in non-Ex areas	USB charging adapter for EU, UK, US and AUS, USB cable (type A to micro type B), Micro USB host cable (OTG), 2-slot charging station, 2-slot battery charging station, leather protective holster