



## Lumen X7

### Features

- Extremely flexible industrial tablet for rough environments
- Powerful quad core processor for high working speed
- Replaceable battery with long life
- Integrated Bluetooth, WLAN, GPS and NFC/RFID HF
- Optional WWAN 3.75G (data transmission only)
- Low weight
- Wide range of accessories

### Description

Lumen X7 from BARTEC is a rugged and highly flexible industrial tablet for rough environments.

Lumen X7 has a large number of international certifications and can be used throughout the world. It is approved for ATEX and IECEx Zone 2/22 and for UL Class I Division 2. Approvals for other countries are possible on customer request.

Thanks to its numerous functions, the Lumen X7 provides perfect support for warehouse management, transport, service technicians, operating personnel, engineers and project managers in the field and in industry.

### Explosion protection

#### Ex protection type

**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

**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

Other approvals CE, FCC, UL, CCC.  
Approvals for other countries on request.

### Technical data

**Protection class** (IEC 60529)  
IP 54 (Non-Ex IP 65)

**Operating temperature**  
-10 °C to +50 °C

**Storage temperature**  
-30 °C to +60 °C

**Air humidity during operation**  
5 % to 95 % (non-condensing)

**Rugged design** in accordance with MIL-STD-810G

### System specification

#### Processor

ARM® Cortex™-A7 Quad Core 1.5 GHz

#### System memory

1 GB Mobile DDR2

#### RAM

16 GB eMMC

#### Expandable memory

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

#### Brightness

500 cd/m<sup>2</sup> (nits)

#### 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 (Wireless Wide Area Network)

- 3.75G -GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA
- Includes telephone function (Exception: data transmission only within the EU)

### I/O system, keys, sensors

#### Audio

- 1 x loudspeaker (1 x 1.2 watts)
- 1 x audio combination connection (Microphone In/Line Out)

#### External I/O

- only for use outside potentially explosive areas
- 1 x Micro USB 2.0 Type B (OTG)
- 1 x Micro SD card slot
- 1 x SIM card slot
- 1 x Docking interface (PoGo pins for charging in the docking station)
- 1 x Power connector (DC)

#### Keys

- 1 x on/off key
- 2 x volume keys (+/-)
- 4 x function keys (home, F1, F2, menu)

#### LED

- 1 x LED indicator (battery and status of power mode)



■ **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

**Weight**

approx. 600 g with battery

■ **Energy management**

**Battery**

- Lithium polymer battery 3.7 V/5.300 mAh, Battery life up to 20 hrs.,
- Charge time using mains adapter: up to 3.5 hrs  
Replaceable - in the safe area

**USB mains adapter**

Input: AC 100 to 240 V/50 to 60 Hz/0.6 A  
Output: DC 5 V/3 A/15 W max.

■ **RFID HF/NFC – 13.45 MHz supported standards** (Near Field Communication Integrated read/write, peer to peer mode

ISO 15693 (Read)

TI HF-I Plus, TI HF-I Pro, NXPI-Code SLI

ISO 14443-A (Read)

NXP Mifare\_One (S50\_4byte),  
NXP Mifare\_One (S50\_7byte),  
NXP Mifare\_One (S70\_4byte),  
NXP Mifare\_UltraLight,  
NXP Mifare\_UltraLight C,  
NXP Mifare\_DesFire\_EVI

ISO 18092 (Read/Write)

SONY Felica Lite  
SONY Felica Lite s

■ **Service**

**Warranty**

3 years

**Service agreements**

available on request

■ **Scope of delivery**

- Lumen X7
- Battery
- Hand strap
- Capacitive stylus
- Power adapter with EU and US plug
- Quick reference guide

**Optional accessories**

for the Ex area

- Spare battery
- Hand strap
- Capacitive stylus
- Display protection film
- Micro SD card

for the Non-Ex area

- Power adapter with EU and US plug
- Desktop docking station
- Vehicle docking station
- Car charger
- Carry case



**Order no.**

**Lumen X7** without WWAN

**B7-A234-2043/44330000**

**Lumen X7** with WWAN 3.75G

**B7-A234-2343/44330000**

Technical data subject to change without notice.