



ATEX / IECEx

Zone 2 and 22

CSA Class I Division 2



## Lumen X7 Quick Start Guide

**7" Industry Tablet**

Type B7-A23-2.../.....



## Quick Start Guide - Translation

Lumen X7

7" Industry Tablet

Type B7-A23.-2.../.....

ATEX/IECEX Zone 2/22  
CSA Class I Division 2

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**Proviso:** Subject to technical changes.  
Changes, mistakes and printing errors do not  
substantiate any claim to damages.

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## 1. Basic Information

Read carefully before putting the devices into operation.



The Quick Start Guide is a fixed part of the product. It must be kept in the direct vicinity of the device and the installation, operating and service staff must have access to it at all times.

More detailed instructions of the use can be found at [www.bartec.de](http://www.bartec.de) as well as the current versions of the datasheets, user manual, certificates and EU declaration conformity or may be requested directly from BARTEC GmbH.

Knowledge of the safety and warning information and the strict compliance with it is essential for safety installation and use. Atries and material damage can be avoided by circumspect handling and systematically following the instructions.

The BARTEC company reserves the right to carry out technical changes at any time.

**Maintenance and Repairs** The pertinent erection and operating provisions for electrical systems must be observed! Repairs to explosion-protected devices may only be performed by authorised personnel with original spare parts and according to the state of the art. The applicable provisions must be observed in this respect.

**Inspections** According to EN/IEC 60079-17 and EN/IEC 60079-19, the operator of electrical systems in potentially explosive atmospheres is obliged to have these inspected by an electrician to ensure correct condition.

**Warranty** If non-specified components are used, the explosion protection will no longer be guaranteed. In the case of externally procured parts, it is not guaranteed that these have been designed and manufactured in accordance with their load and requisite safety.

**Disposal** As professional electrical devices, our devices are intended exclusively for commercial use, so-called B2B devices, in accordance with the WEEE Directive. Observe the national waste disposal regulations when disposing of the devices. All products purchased from us can be returned to us by our customers for disposal. The sender shall bear the costs of postage and packaging.

Safety and warning information is particularly emphasised in this Quick Start Guide marked by symbols.



**DANGER** describes a directly imminent danger in hazardous areas. If not avoided, death or severe injury will be the consequence.

## 2. Scope of delivery

- 1 x 7" ex-certified Lumen X7 Industry Tablet
- 1 x Replaceable Li-Polymer battery
- 1 x Hand strap
- 1 x USB power adapter with EU plug
- 1 x USB power adapter with US plug
- 1 x USB cable (Type A to micro Type B)
- 1 x Quick Start Guide



## 3. Getting started

In order to start using the Lumen X7 Industry Tablet for the first time:

- ▶ Install the battery
- ▶ Charge the battery
- ▶ Start the Lumen X7
- ▶ Install SIM/Micro SD Card.

## 4. Marking, test certificate, and standards

Note: Full information in "user manual"

<u>ATEX Zone 2 and 22</u>  II 3G Ex ic IIC T5 Gc  II 3D Ex ic IIIB T100°C Dc -10 °C ≤ Ta ≤ +50 °C	EPS 16 ATEX 1 037X
<u>IECEX Zone 2 and Zone 22</u> Ex ic IIC T5 Gc Ex ic IIIB T100°C Dc -10 °C ≤ Ta ≤ +50 °C	IECEX EPS 15.0053X
<u>CSA Class I Division 2</u> Class I Div. 2 Groups A, B, C and D T6	E321557 Vol 5 sec 1

### X - marking (special conditions of use for secure operation within the potentially explosive atmosphere)

- ▶ The ambient temperature range is -10 °C bis +50 °C.
- ▶ The device must be protected from impact with high impact energy, from intense UV-irradiation, and strongly charge generating processes.
- ▶ It is not allowed to use connectors inside the potentially explosive atmosphere.
- ▶ It is not allowed to remove, change and/or charge the battery inside the potentially explosive atmosphere.

## Warnings

The warnings on the product and on the battery must always be observed!

Additional safety instructions for use in potentially explosive atmospheres, see user manual.

## 5. Your Lumen X7

### Some tips for using and caring the Lumen X7

Our Lumen X7 series tablet is designed to resist damages from certain rugged conditions. However, to help care for the Lumen X7, please avoid prolonged or extreme exposure to those conditions.

- ▶ To ensure the rugged design works and protects your tablet, please be sure the protective I/O cover are closed and the back cover is screwed properly.
- ▶ Don't leave your tablet near a heat source; this can damage the device.
- ▶ Avoid dropping your tablet on a hard surface; this can potentially cause damage to the device.
- ▶ To clean your tablet, use a dry soft cloth. Don't use alcohol or other cleaning solutions.
- ▶ Please don't bring your Tablet in contact with water when the protective I/O cover is opened. The water-proof design works only when the outer case is sealed properly.
- ▶ Note: Certain apps and features may not be available in all countries.
- ▶ The external interfaces "Micro USB Type B (OTG Host, data exchange and charging), Pogo Pin (charging in docking station)" may only be used outside the potentially explosive range with accessories specified by the manufacturer.

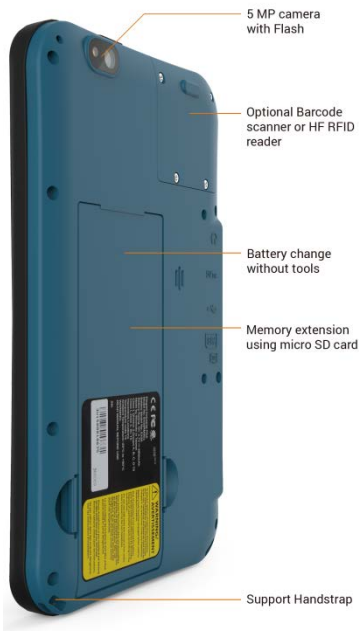
**Note:** Detailed functionality illustration in the user manual.



## 6. Starting the Lumen X7

Before using the Lumen X7, install the Li-Polymer battery by sliding the battery into the Lumen X7.





## 7. Turn on/Turn off your Lumen X7

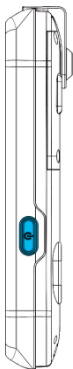


Unintended use endangers explosion protection. Risk of fatal injury in an explosive atmosphere!

In the case of functional disturbances or damage to the enclosure, the device should be turned off and removed immediately from the potentially explosive atmosphere to a safe place. Remove battery to decommission the device!

The ambient temperature range of use for secure operation within the potentially explosive atmosphere is -10 °C to +50 °C.

Additional safety instructions for use in potentially explosive atmospheres, see user manual.



### Turn on:

- (1) Press and hold the Power On/Off button for 3 sec, located on the top of the device.

### Turn off:

Make sure you have closed any programs that are open on the desktop.

- (1) To turn off the device, press and hold the Power On/Off button on top of the device for 6 seconds or longer until the phone options menu appears.
- (2) Tap **Power off**.

## 8. Charge the Battery

The battery in the new Lumen X7 is not charged yet. Please charge with the bundled adapter cable before your first use.

The Industry Tablet operates either on external adapter or internal battery power. To connect the Industry Tablet to the power supply, the protective I/O cover must be opened.



Do not replace or charge the battery in a potentially explosive atmosphere.

Only use original accessories from BARTEC.

Our warranty does not cover damage to the Lumen X7 caused by other batteries and/or chargers.

Additional safety instructions for use in potentially explosive atmospheres, see user manual.

**Note:** The actual life of a battery is influenced by different factors, e.g. hot, cold, rough operating environment and falling from a great height. Batteries kept for a duration of six months or longer should be charged and discharged again at least every three months.

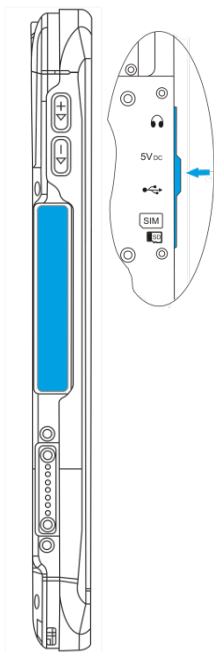
Please don't remove the battery pack or try to take the Industry tablet apart while the Lumen X7 is charging. These actions will result in some damages and may invalidate your warranty.

## 9. Open/Close the protective I/O cover



Open the protective I/O cover outside of the potentially explosive atmosphere.

The protective cover must be correctly aligned, the Inputs/Outputs have to be fully covered.



### Open protective I/O cover

- (1) Place the Industry Tablet on a flat mat.
- (2) Open carefully the protective I/O cover.

### Close the protective I/O cover

- (1) The protective cover must be correctly aligned, the Inputs/Outputs have to be fully covered.



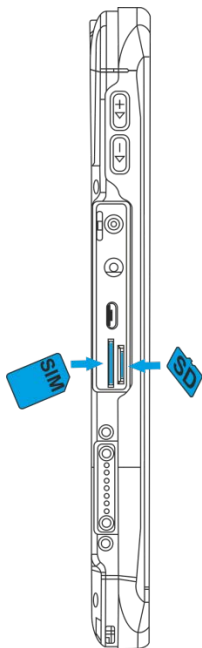
- (1) Plug the adapter into the Power Jack of the Industry tablet.
- (2) Plug the adapter power cable into the electrical outlet. As soon as the adapter is connected with the outlet, the battery will be charged. The battery LED display at the Industry Tablet changes.
- (3) Close the protective I/O cover be correctly, the Inputs/ Outputs have to be fully covered.

LED Status	Description
Off	The Industry Tablet is not charging or not properly connected
Solid red	Low battery
Solid green	Charging in progress

## 10. How to Insert SIM / Micro SD Card



Only insert or replace SIM / Micro SD card outside of the potentially explosive atmosphere. Only use Micro SD cards which have been tested and certified by BARTEC for this purpose.



To insert the SIM card and Micro SD card, the protective I/O cover must be opened.

- (1) Place the Industry Tablet on its front on a flat mat.
- (2) Open the protective I/O cover.
- (3) Insert the SIM card (with the golden parts facing up and cut-off corner facing out) and push it in the direction of the arrows as shown in the figure.
- (4) Push the SD card in the slot to insert it.
- (5) Close the protective I/O cover.

The protective I/O cover must be correctly aligned, the Inputs/ Outputs have to be fully covered.

EU Declaration of Conformity

EU Konformitätserklärung  
EU Declaration of Conformity  
Déclaration UE de conformité

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N<sup>o</sup> B1-A234-7C0002

Wir	We	Nous
<b>BARTEC GmbH,</b>		
erklären in alleiniger Verantwortung, dass das Produkt	declare under our sole responsibility that the product	attestons sous notre seule responsabilité que le produit
<b>Tablet Lumen X7</b>	<b>Tablet Lumen X7</b>	<b>Tablet Lumen X7</b>
<b>B7-A23*-2***J*****</b>		
auf das sich diese Erklärung bezieht den Anforderungen der folgenden <b>Richtlinien (RL)</b> entspricht	to which this declaration relates is in accordance with the provision of the following <b>directives (D)</b>	se référant à cette attestation correspond aux dispositions des <b>directives (D)</b> suivantes
<b>ATEX-Richtlinie 2014/34/EU</b>	<b>ATEX-Directive 2014/34/EU</b>	<b>ATEX-Directive 2014/34/UE</b>
<b>EMV-Richtlinie 2014/30/EU</b>	<b>EMC-Directive 2014/30/EU</b>	<b>CEM-Directive 2014/30/UE</b>
<b>RED-Richtlinie 2014/53/EU</b>	<b>RED-Directive 2014/53/EU</b>	<b>RED-Directive 2014/53/UE</b>
<b>RoHS-Richtlinie 2011/65/EU</b>	<b>RoHS-Directive 2011/65/EU</b>	<b>RoHS-Directive 2011/65/UE</b>
und mit folgenden Normen oder normativen Dokumenten übereinstimmt	and is in conformity with the following standards or other normative documents	et est conforme aux normes ou documents normatifs ci-dessous
<div><div><div>EN 60079-0:2012</div><div>+ A11:2013</div><div>EN 60079-11:2012</div><div>EN 62368-1:2016</div><div>EN55024: 2010</div><div>IEC61000-4-2: 2009</div><div>IEC61000-4-3: 2006+A1: 2007+A2: 2010</div><div>IEC61000-4-4: 2012</div><div>IEC61000-4-5: 2014</div><div>IEC61000-4-6: 2014</div><div>IEC61000-4-8: 2010</div></div><div><div>IEC61000-4-11: 2004</div><div>EN 55022: 2010/AC: 2011</div><div>EN61000-3-2: 2014</div><div>EN61000-3-3: 2013</div><div>EN 300 328 V1.9.1: 2015</div><div>EN 300 440-1 V1.6.1: 2010</div><div>EN 300 440-2 V1.4.1: 2010</div><div>EN 301 908-1 V6.2.1: 2013</div><div>EN 301 908-2 V6.2.1: 2013</div><div>EN 301 489-1 V1.9.2: 2011</div><div>EN 301 489-3 V1.6.1: 2013</div><div>EN 301 489-17 V2.2.1: 2012</div><div>EN 301 489-24 V1.5.1: 2010</div></div></div>		



EU Konformitätserklärung  
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N<sup>R</sup> B1-A234-7C0002

Kennzeichnung	Marking	Marquage
 II 3 G	Ex ic IIC T5 Gc	
 II 3 D	Ex ic IIIB T100°C Dc -10°C to +50°C	
Verfahren der internen Fertigungskontrolle	Procedure of internal control of production	Procédure de contrôle interne de fabrication
EPS 15 ATEX 1 037 X 2004, Bureau Veritas Germany GmbH, 86842 Türkheim		
If the sign "X" is placed after the declaration of conformity number, it indicates that the equipment is subject to special conditions for safe use specified in the user manual.		
		
Bad Mergentheim, den 27.07.2016		
 i.V. Nader Halmuschi BU Leiter ACS	 i.V. Michael Schulte Leiter GW PZ	

## BARTEC

Your partner  
for safety  
technology.

Challenge us!

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