Lumen X7 Industry Tablet

Lumen X7 is a rugged and highly flexible industrial tablet for rough environments. Lumen X7 has a large number of international certifi-cations 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

Marking ATEX	Ⓔx II 3G Ex ic IIC T5 Gc Ⓔx 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	UL File E321557

Technical data

Protection class (EN/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)	
Processor	ARM® Cortex™-A7 Quad Core 1.5 GHz	
Mass storage	1 GB Mobile DDR2	
RAM	16 GB eMMC	
Expandable memory	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	
Brightness	500 cd/m² (nits)	
Touch function	Projective capacitive multi-touch	
Wireless communication	WLAN	IEEE 802.11 a/b/g/n Bluetooth Version 3.0 + EDR GPS integrated
	WWAN	3.75G-GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Includes telephone function
	Exception: data transmission only within the EU	
Audio	1 x loudspeaker (1 x 1.2 watts) 1 x audio combination connection (Microphone In/Line Out)	
External I/0	only for use outside potentially explosive areas 1 x Micro USB 2.0 Type B (OTG) 1 x MicroSD card slot 1 x Micro SIM card slot 1 x Port for docking station 1 x Charging port (DC)	
Keys	1 x power on/off button 2 x volume buttons (+/-) 4 x function buttons (home, F1, F2, menu)	
LED	1 x LED indicator (battery and status of power mode)	
Camera	5 MP camera with autofocus and LED flash on the back	
Size (L x W x H)	212.4 mm x 132.8 mm x 19 mm	
Weight	approx. 600 g with battery	

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⟨Ex⟩

Battery	Lithium-polymer battery 3.7 V/5300 mAh, Battery life up to 20 hrs., Charge time using power supply with plug-in adapter: up to 3.5 hrs, can be replaced outside potentially explosive atmospheres
Power supply with plug-in adapter (EU + US)	Input: AC 100 to 240 V/50 to 60 Hz/0.6 A Output: DC 5 V/3 A/15 W max.
Warranty	3 years
Service agreements	available on request
Scope of delivery	Lumen X7 Battery Hand strap Stylus Power supply Plug-in adapter (EU + US) Quick start guide (DE + EN)
Optional accessories for use	in potentially explosive atmospheres: Battery Hand strap Stylus Screen protector MicroSD card

outside potentially explosive atmospheres: Docking Station Power supply with plug-in adapter (EU + US) Vehicle docking station Power supply with vehicle charging adapter |

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

Ordering information

Lumen X7 without 1D/2D Imager, without 3.75G	**B7-A234-2043/44330000**
Lumen X7 without 1D/2D Imager, with 3.75G	**B7-A234-2343/44330000**

Technical data subject to change without notice.