



Smartphone

Ex-Cover 6 Pro D2 US

- Certified for Class I, Division 2 hazardous areas
- Two programmable buttons to support functionalities such as push-to-talk, scanning and other frequently used applications
- Replaceable long lasting/ fast charging battery
- MIL-STD-810H certified, IP68 rated, and can withstand drops from 1.5 m
- Android™ 13 and Samsung One UI 4.1

Rugged Smartphone for Class I, Division 2, version for USA



Technical Data

Hardware

Processor	Qualcomm Snapdragon 778G Octa Core (4x2.4 GHz, 4x1.8 GHz)
Working memory	RAM 6 GByte
Mass storage	128 GB, expand to 1TB with microSD card
Camera	
Front camera	13MP F2.2
Main camera	50 MP F1.8 with AF / UltraWide 8MP F2.2
Video recording resolution	UHD, FHD, HD @30fps
Sensors	Accelerometer, Proximity, Gyro, Compass, Air Pressure
Biometrics	Fingerprint sensor (side)

Indicators/operating means

Display	Corning Gorilla Glass Victus+, FHD+, 120Hz TFT LCD
Screen diagonal	6.6" (16.76 cm)
Resolution	2408 x 1080
Key	Two additional programmable buttons

Electrical specifications

Battery type	4050 mAh, replaceable Fast charging (15 W) ¹
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Communication

Mobile standard	4G LTE including B48 (CBRS); 5G sub 6GHz
WLAN	Wi-Fi 6E
Bluetooth	Bluetooth® 5.2
GPS sensor	yes
NFC	yes
Connections	USB 3.2 (Type C) ¹
SIM card	Nano-SIM

Software

Operating system	Android™ 13, with 4 OS upgrades supported
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Ambient conditions

Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Charging temperature	0 ... 45 °C (32 ... 113 °F)

Mechanical specifications

Degree of protection	IP68, rugged (MIL-STD-810H compliant, 1.5 m Drop) ²
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Connection	3.5 mm jack connection ¹ Pogo charging ¹
Mass	approx. 312 g
Dimensions	176 mm x 86.5 mm x 15.6 mm (17.1mm at accessory mount)
International approvals	
SGS approval	
SGS certificate	Class I, Division 2 Groups A, B, C, D, T4 Class I, Zone 2 Group IIC T4 -20°C ≤ Ta ≤ +55°C
General information	
Note	¹ Only allowed in non-hazardous area. For more details please see Ex-safety manual. ² IP68: Water resistant in up to 1.5 meters of fresh water for up to 30 minutes and protected from dust. MIL-STD-810H covers altitude, humidity, immersion, salt fog, dust, vibration, and drop. ³ B48 (CBRS) only available for the Ex-Cover 6 Pro D2 US version.
Scope of delivery	Ex-Cover 6 Pro D2 Li-Ion battery USB-C cable Documentation

Accessories

	TC USB-C 25W US/CAN	Travel charger
	BC Ex-Cover 6 Pro D2	Belt clip
	FCL Ex-Cover 6 Pro D2	Holding strap