

Data Sheet Tab-Ex[®] 03

DZ1

ATEX 	II 2G Ex db ia IIC T6 Gb IP64 II 2D Ex ia tb IIIC T80°C Db Ta= -20°C to +55°C	IECEX 	Ex db ia IIC T6 Gb IP64 Ex ia tb IIIC T80°C Db Ta = -20°C to +55°C
UKCA Ex UK CA	II 2G Ex db ia IIC T6 Gb IP64 II 2D Ex ia tb IIIC T80°C Db Ta= -20°C to +55°C	NEC / CEC 	Pending



Technical Data	
Operating System	Android™ Unless otherwise specified, the product is shipped with the latest firmware release. Latest firmware release: Android™ 12
Chipset	Exynos 9810 (Lhotse) Octa-Core 64-Bit; 4 x 2.7 GHz, 4 x 1.7 GHz
RAM	4 GB
Internal data memory	64 GB; free available memory 48.6 GB
microSD	512 GB (optional), up to 1 TB possible
Display	1920 x 1200 pixels (WUXGA), 8", TFT, 480 nit Brightness, Operation: also with gloves / in wet conditions & snow
Sensors	Accelerometer, GyroSensor, Geomagnetic Sensor, Hall Sensor, RGB Light Sensor
Dimensions	262.75 mm x 161.5 mm x 25.75 mm
Weight	approx. 1100 g
Operating temperature	-20 °C ... +55 °C
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEX)
Connectivity	<ul style="list-style-type: none"> ■ Wi-Fi 802.11 a/b/g/n/ac/ax (2.4GHz + 5GHz), 2x2 MIMO ■ Bluetooth® v5.0 ■ Wi-Fi Direct ■ NFC EMV L1 ■ GPS, GLONASS, Beidou, Galileo ■ USB 3.1 Type-C
Frequency Bands	Supported cellular frequency bands: 4G LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B17, B20, B28, B66 4G LTE TDD: B38, B40, B41 3G UMTS: B1, B2, B4, B5, B8 2G GSM: 850 / 900 / 1800 / 1900 MHz US-Version: LTE-Support: AT&T, Sprint, T-Mobile, Verizon Supported cellular frequency bands: 4G LTE FDD: B2, B3, B4, B5, B7,B12, B13, B14, B17, B25, B26, B29; B66, B71 4G LTE TDD: B41 3G UMTS: B1, B2, B4, B5, B8
SIM	1x Nano SIM (optional)
Security	Samsung KNOX, Face Recognition
Camera: Rear + Front	13 MP AF + 5 MP / optional: Non-Camera
Battery Capacity	Li-Ion battery 3.8 V / 5050 mAh / 18.87 Wh / up to 11 hours battery life
Applications	Samsung DeX, Android Enterprise Recommended (AER), Google ARCore, MDM Systems

Data Sheet Tab-Ex® 03

DZ2 WiFi / WWAN



ATEX  <ul style="list-style-type: none"> Ⓜ II 3G Ex ic IIC T5 Gc IP64 Ⓜ II 3D Ex ic IIIC T85°C Dc 	UKCA Ex  <p>Refer to „ATEX“</p>	NEC / CEC  <p>Class I, Division 2, Groups A,B,C,D T5 Class II, Division 2, Groups F,G T100°C Class III, Division 1 Class I, Zone 2, Group IIC, T5 Zone 22, Group IIIB T100°C Ta = -20 °C to +55 °C</p>
IECEX  <p>Ex ic IIC T5 Gc IP64 Ex ic IIIC T85°C Dc</p>	IA (South Africa) <p>Ex ic IIC T5 Gc IP64 Ex ic IIIC T85°C Dc</p>	
KC - Korean Certification  <p>Ex ic IIC T5 Gc Ex ic IIIC T85°C Dc</p>	Inmetro (Brasil)  <p>Ex ic IIC T5 Gc Ex ic IIIC T85°C Dc IP64 Ta = -20 °C to +55 °C</p>	

Technical Data	
Operating System	Android™ Unless otherwise specified, the product is shipped with the latest firmware release. Latest firmware release: Android™ 12
Chipset	Exynos 9810 (Lhotse) Octa-Core 64-Bit; 4 x 2.7 GHz, 4 x 1.7 GHz
RAM	4 GB
Internal data memory	64 GB; free available memory 48.6 GB
microSD	512 GB (optional), up to 1 TB possible
Display	1920 x 1200 pixels (WUXGA), 8", TFT, 480 nit Brightness, Operation: also with gloves / in wet conditions & snow
Sensors	Accelerometer, GyroSensor, Geomagnetic Sensor, Hall Sensor, RGB Light Sensor, Proximity Sensor
Dimensions	213.8 mm x 126.8 mm x 9.9 mm, approx. 610 g
Operating temperature	-20 °C ... +55 °C
Degree of protection	<ul style="list-style-type: none"> ■ IP64 according to EN/IEC 60079-0 (ATEX/IECEX) ■ MIL-STD-810H
Connectivity	<ul style="list-style-type: none"> ■ WiFi 802.11 a/b/g/n/ac/ax (2.4GHz + 5GHz), 2x2 MIMO ■ Bluetooth® v5.0 ■ WiFi Direct ■ NFC EMV L1 ■ GPS, GLONASS, Beidou, Galileo ■ USB 3.1 Type-C ■ WiFi does not support cellular
Frequency Bands	<p>Supported cellular frequency bands:</p> <p>4G LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B17, B20, B28, B66</p> <p>4G LTE TDD: B38, B40, B41</p> <p>3G UMTS: B1, B2, B4, B5, B8</p> <p>2G GSM: 850 / 900 / 1800 / 1900 MHz</p> <p>US-Version: LTE-Support: AT&T, Sprint, T-Mobile, Verizon</p> <p>Supported cellular frequency bands:</p> <p>4G LTE FDD: B2, B3, B4, B5, B7,B12, B13, B14, B17, B25, B26, B29; B66, B71</p> <p>4G LTE TDD: B41</p> <p>3G UMTS: B1, B2, B4, B5, B8</p>
SIM	1x Nano SIM (optional)
Security	Samsung KNOX, Face Recognition
Camera: Rear + Front	13 MP AF + 5 MP / optional: Non-Camera
Battery Capacity	Li-Ion battery 3.8 V / 5050 mAh (Typical), 4900 mAh (Rated) / 18.87 Wh / up to 11 hours battery life
Applications	Google ARCore, MDM Systems