




# Data Sheet Tab-Ex<sup>®</sup> 02

## DZ1



**ATEX**  
 II 2G Ex db ia op is IIC T5 Gb  
 II 2D Ex tb ia op is IIIC T100°C Db  
 Ta= -20°C to +50°C

**IECEX**  
 Ex db ia op is IIC T5 Gb  
 Ex tb ia op is IIIC T100°C Db  
 Ta= -20°C to +50°C

**CSA**  
 US:  
 Class I, II, Division 1, Groups A-G T5  
 Class I, Zone 1 AEx db ia op is IIC T5 Gb  
 Zone 21 AEx tb ia op is IIIC T100°C Db  
 Ta = -20°C to +50°C

Further approvals at: [www.ecom-ex.com](http://www.ecom-ex.com)

### Technical Data

<b>Operating System</b>	Android™ Unless otherwise specified, the product is shipped with the latest firmware release. Latest firmware release: Android™ 9
<b>Chipset</b>	Exynos 7 Octa, 1.6 GHz Octa-Core (Cortex®-A53)
<b>Memory</b>	RAM: 3 GB, Internal data storage: 16 GB, with external MicroSD up to 256 GB <b>Please note:</b> For safety reasons, the SD card cannot be installed or replaced after delivery.
<b>Display</b>	1280x800 pixels (WXGA), 8", TFT, 480 nit Brightness, Operation: also with gloves / in wet conditions & snow
<b>Sensors</b>	Face Recognition, NFC, Accelerometer, Proximity, Light, Gyroscope, Geomagnetic, Hall, GPS
<b>Dimensions</b>	162.1 x 256.0 x 33.3 mm, ca. 1250 g
<b>Operating temperature</b>	-20 °C ... +50 °C
<b>Degree of protection</b>	IP64 according to EN/IEC 60079-0 (ATEX/ IECEX) IP65 according to EN/IEC 60259 (industrial standard)
<b>Connectivity</b>	<ul style="list-style-type: none"> <li>■ LTE Cat.6 (300Mbps)</li> <li>■ Wi-Fi 802.11 a/b/g/n/ac (2.4 GHz + 5 GHz)</li> <li>■ Wi-Fi Direct</li> <li>■ Bluetooth® 4.2</li> </ul>
<b>Frequency Bands</b>	<p>ROW WWAN version only</p> <p>Supported cellular frequency bands:            4G LTE FDD: B1(2100), B2(1900), B3(1800), B4(AWS), B5(850), B7(2600), B8(900), B17(700), B20(800), B28(700)            4G LTE TDD: B38(2600), B40(2300)            3G UMTS: B1(2100), B2(1900), B4(AWS), B5(850), B8(900)            2G GSM: 850 / 900 / 1800 / 1900 MHz</p> <p>NAM WWAN version only</p> <p>Supported cellular frequency bands:            4G LTE FDD: B2(1900), B3(1800), B4(AWS), B5(850), B7(2600), B12(700), B13(700), B29(700)            3G UMTS: B1(2100), B2(1900), B5(850), B8(900)</p>
<b>Security</b>	Samsung KNOX 3.2, Face Recognition
<b>Camera: Rear + Front</b>	8 MP AF + 5 MP / optional: Non-Camera
<b>Battery</b>	Li-Ion battery 3.8 V / 4,450 mAh / 16.91 Wh / up to 11 hours battery life