

ET-110-Tab-Ex-01-DZ1



- Android tablet, 8 inch display with the latest transmission technology (WWAN, WLAN, Bluetooth Smart Ready, NFC, GPS, etc.)
- HMI tablet based on Samsung GALAXY Tab Active with Samsung KNOX™ for secure data administration
- For use in hazardous zones 1, 21 and Class I Div 1

WebCode ET110A

R. STAHL's ET-110-Tab-Ex-01-DZ1 tablet is certified according to ATEX, IECEx, CSA and NEC for zones 1 and 21 as well as Class I, Div 1. Modern wireless protocols – WWAN, WLAN, BLUETOOTH Smart Ready, NFC und GPS – enable flexible communication with various systems, if required, safely encrypted via MDM or VPN. In addition, the Samsung KNOX™ security platform ensures that the data administration meets all data security requirements. The tablet's 3-MP camera can be used as a barcode scanner. Accessories such as various holders and styluses make carrying and operating this HMI device more comfortable, while complementary beacons, speaker microphones and a Bluetooth headset can be used to adjust the tablet to individual persons or applications.

Technical Data

General

HMI Technology	Mobile Device
Type	Mobile Tablet Computer
HMI WebCode	ET110A

Explosion Protection

Application range	1 2 21 22
Certifications	ATEX IECEx NEC CEC
Gas explosion protection IECEx	Ex db ia op is IIC T5 Gb
Dust explosion protection IECEx	Ex tb IIIC T100°C Db
Gas explosion protection ATEX	II 2 G Ex db ia op is IIC T5 Gb
Dust explosion protection ATEX	II 2 D Ex tb IIIC T100°C Db
Explosion protection NEC	Class I, II, III, Division 1, Groups A-G T5 Class I, Zone 1 IIC T5, Zone 21 IIIC 100°C Ta = -20°C to +50°C
Explosion protection CEC	Class I, II, III, Division 1, Groups A-G T5 Class I, Zone 1 IIC T5, Zone 21 IIIC 100°C Ta = -20°C to +50°C

Electrical Data

Processor details	1.2 GHz; Quad core
RAM	1.5 GB
Data memory	16 GB (optional 64 GB, MicroSD - not exchangeable)

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Electrical Data

Operating system	Android 5.1.1 (Lollipop), (optional Android 4.4.4 (Kitkat))
Language support	Multilingual operating system
Additional software	Google Play Store certified
Interfaces	- Headphone connector (Non-Ex), 1 x 3.5 mm - USB loading cable connection, secured with magnet
Navigation	A-GPS, GLONASS
NFC	13.56 MHz
WWAN	LTE * (4G) Category 4: 800 / 850 / 900 / 1800 / 2100 / 2600 UMTS (3G) / HSPA (3.5G): 850 / 900 / 1900 / 2100 GPRS / EDGE (2G): 850 / 900 / 1800 / 1900
Sensors	Acceleration and light
Security	Samsung KNOX - EMM (MDM+IAM) - secure data administration - H/W & S/W safety platform
E-mail Client	EAS, Gmail, POP3, IMAP
Cameras	3 MP camera with integrated flash at rear (barcode scanning possible) 1.3 MP front camera
Battery	4450 mAh, up to 11 hours running time
WLAN	Wi-Fi 802.11 a / b / g / n
Bluetooth	Bluetooth LE 4 SmartReady
Front camera	yes

Display

Display version	TFT Colour display
Display version 2	16.2 million colours
Display size inch	8
Display size centimetres	20.3
Display resolution	HD
Total pixels	1280 x 800
Display dimensions	15:10
Display brightness	readable in direct sunlight
Display contrast	250:1
Touch screen	capacitive
Backlight	LED Technology
Front plate (display)	Front made of shock-proof glass

Ambient Conditions

Storage temperature	-20 °C ... +50 °C
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Mechanical Data

Dimensions	162.1 mm x 256 mm 33.3 mm (without stylus holder) 162.1 mm x 271.9 mm 33.3 mm (with stylus holder)
Weight	1.25 kg
Material front	Specially hardened glass front plate
Material back	Robust synthetic material
Ingress protection	IP64
IP enclosure front	IP64

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Mechanical Data

IP enclosure back	IP64
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We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.