eControl terminal

Ex-Zone ruggedized terminal acc. to ATEX standard

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Mobile explosion-proof terminal with WLAN interface for machine control based on Intel x86 architecture.

Key Features

ATEX standard acc. to II 2G Ex ib IIB T4 Gb

7" touch display

Windows Embedded 7

WLAN interface for machine control

Intel x86 architecture

Protection class IP54

RFID

eControl terminal acc. to ATEX standard

Explosion-proof ruggedized 7" terminal for use in hazardous areas and industrial sectors. The highly compact solution enables operation via a touch screen or eight buttons with haptic feedback.

The closed system also impresses with a WLAN interface and a battery life of up to 6 h. The Windows Embedded 7 operating system makes the system very flexible and allows many applications. On the market there is currently no comparable terminal with Windows Embedded 7 and Intel x86-based architecture.

Technical Data

ATEX standard	Ex II2G Ex ib IIB T4 Gb
CPU	Intel Atom CPU 1.3 GHz E660
RAM	2 GB DDR2
SSD	16 GB (with up to 6 Gbit/s fast data transfer rate)
Display	7" TFT
Resolution	800×480
Touchscreen	capacitive, SMT-C-T10-336S (based on ATMEL mXT336S maxTouch chip)
Backlightning	Yes
Speaker	Yes (Piezzo)
Interface type	LVDS, LED
Dimensions (l×w×h)	255 mm × 160 mm × 67 mm 269 mm × 196 mm × 115 mm (with charging tray)
Storage temperature	−40 °C up to +85 °C
Operating temperature	+10 °C up to +50 °C
Loading temperature	0 °C up to +40 °C (at higher temperature the protection electronics switches off the charging)
Operating system	Windows Embedded 7
Weight	< 2 kg
Material	Housing: Polyamid Bumper material: TPU
User keys	8 User keys, programmable
Rumble motor	Yes
Protection class	IP54
Specified term	2 h full CPU-power Standby: 6 h
Battery	Capacity: 57.7 Wh Power: 11.11 V DC
Power supply	Charging tray: 24 V DC ±10 % Charging tray to terminal: 15 V DC

WLAN/Bluetooth

Module	Intel® Dual Band Wireless-AC 7260
WLAN Protocols	802.11 b/g/n
Security	WPA2, AES-CCMP
Antenna	2.4 GHz external – 2 Antennas
WLAN range	> 20 m in clear view
Bluetooth	2.13 3.0, 4.0, BLE

RFID

Read head module	DLP RFID2
Interface	UART
Antenna	Integrated in the housing
Reading distance	2.5 cm
Day support	Works with tags according to ISO 15693, ISO 14443A, ISO 14443B

Order information

V930098000	eControl terminal

Mobile Automation

Industrial Automation

Diagnostics

Connectivity

We are looking forward to your enquiry!

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