



APPLICATIONS

The E5 Industrial Panel PC is the perfect Plug&Play system solution, especially designed for FANLESS applications. It is based on well-engineered and high quality industrial computer technology for operation with the highest performance in tough environments. The complete EMI-shielding is already implemented.

- ▶ Industrial Control and Automation
- ▶ Measurement & Control
- ▶ Medical
- ▶ Infotainment
- ▶ Point of Sale
- ▶ Human Machine Interface

E5-IND-PPC



E5-IND

FEATURES

- ▶ 7" Automotive Display (800x480 Pixel) with resistive Touchscreen
- ▶ Front IP65 protection
- ▶ Powered by the newest technology with support for high-end Intel® Atom™ Processors up to 1.6 GHz
- ▶ Supports Power over Ethernet (PoE)
- ▶ Wide range DC power input
- ▶ One Gb Ethernet Port
- ▶ Supports up to 2GB DDR2 Memory
- ▶ Design, Production and Support "Made in Germany"

BENEFITS

- ▶ Low emission, high immunity
- ▶ Free of rotating parts
- ▶ Isolated network application
- ▶ Fast operation via six Buttons
- ▶ High-resolution color screen
- ▶ Single cable communication and power
- ▶ Long term availability
- ▶ Rugged & reliable choice for demanding embedded applications
- ▶ Small installation depth





E5-IND-PPC

EM Vision

OVERVIEW

The E5 Industrial Panel PC is powered by proven technology, including the Intel® Atom™ Processors up to 1,6 GHz. The dual use concept with push-button and touchscreen allows user-friendly navigation. In addition to PoE, the digital IO and four serial interfaces allow multiple types of industrial connections.

SPECIFICATION SUMMARY

- ▶ Fanless operation
- ▶ PoE (Power over Eth.)
- ▶ Wireless Options
- ▶ Integrated Touchscreen controller
- ▶ Industrial Temperature

SPECIFICATIONS

TFT - DISPLAY

7" TFT - Display
WVGA 800x480 Pixel
Brightness: 400 cd/m²
LED Backlight

4-wire resistive touchscreen

CPU

Industrial temperature version:
Intel® Atom™ processor E620T
0.6 GHz - 3,3W TDPmax
512 KB cache (optional)

Intel® Atom™ processor E640T
1.0 GHz - 3,6W TDPmax
512 KB cache (default)

Intel® Atom™ processor E660T
1.3 GHz - 3,6W TDPmax
512 KB cache (optional)

Intel® Atom™ processor E680T
1.6 GHz - 4,5W TDPmax
512 KB cache (optional)

IO-HUB

Industrial temperature version:
Intel® Platform Controller Hub
EG20T

MAX. MEMORY

Up to 2 GB single channel DDR2
RAM with 800 MHz FSB
Default: 1GB
OEM option: 2GB

BIOS

UEFI-BIOS

GBIT ETHERNET

1x Gb Ethernet via Intel® Plat-
form Controller Hub
PoE: 10/100 Mb

WLAN

WLAN (802.11a/g/n) and Blue-
tooth with integrated antenna
(optional)

WIRELESS

GPRS/EDGE/UMTS/HSDPA
module (optional)

USB HOST PORTS

2x USB 2.0 Host Ports Type A

USB CLIENT PORTS

Mini-B USB (5-pin) connector

FLASH DISK

8GB mSATA flash SSD

DIGITAL IO

GPIO: 4 IN/4 OUT

SERIAL INTERFACE

1x RS232 (9pin)
1x RX/TX
1x RS485 (4pin)

CAN BUS

CAN 2.0B

EXTERNAL STORAGE

Micro-SD card slot

INTERNAL STORAGE

Micro-SD card slot

AUDIO

Speaker, mono
Headphone, stereo

FANLESS

Designed for fanless operation

OPERATION MODE

Touchscreen and six key buttons

OS SUPPORT

Microsoft Windows® Embedded
Standard 7
Linux (optional)

MANAGEMENT

Hardware Monitoring and
Watchdog

POWER INPUT

DC: 8V (min) to 32V (max)
Power over Ethernet (PoE)
Class 4 high power

EMI SHIELDING

CE, other upon request

DIMENSION

Approximately (L x W x H)
194,8 x 158 x 34 (mm)

WEIGHT

Approximately 590 grams
(More with options)

MOUNTING

Front panel mounting with
assembling kit

PROTECTION

Front side + buttons IP65

TEMPERATURE RANGE

Industrial temperature version:
Operation:
-20°C to +70°C ambient
Storage:
-40°C to +85°C ambient

HUMIDITY

Maximal relative humidity of
atmosphere non condensing
Working up to 95% @ 40°C