



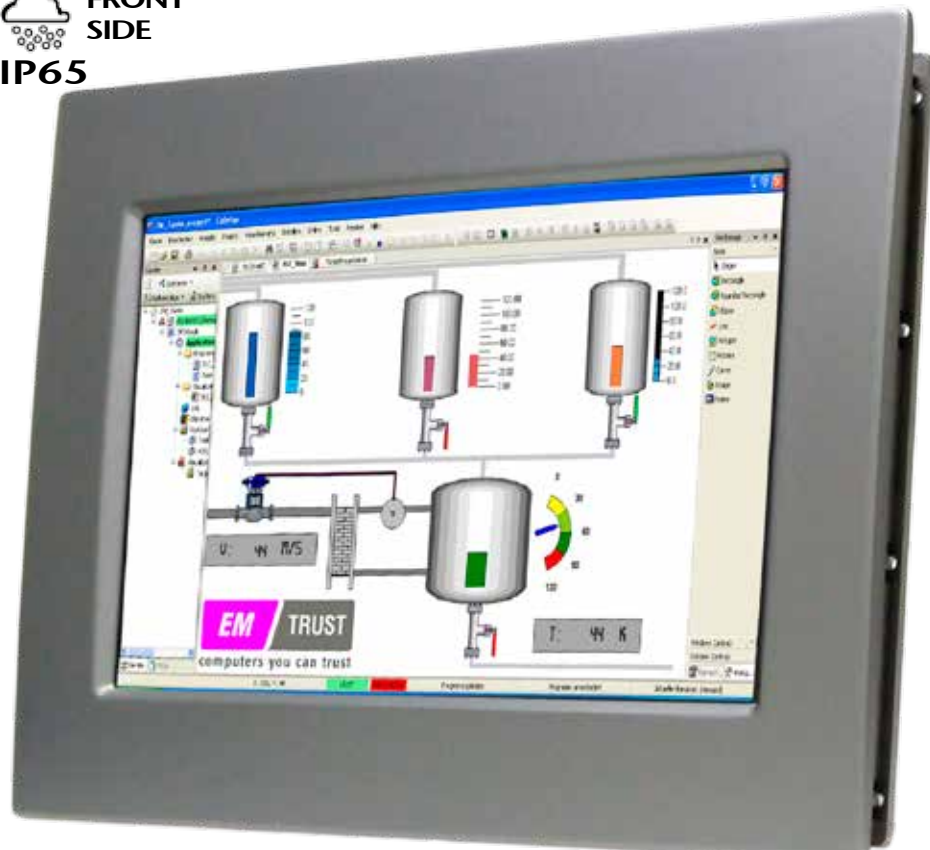
## APPLICATIONS

The new EM Vision Panel PC is the perfect Plug&Play system solution, especially designed for FANLESS applications. The complete EMI-shielding is already implemented.

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

# PPC-11-12

 FRONT SIDE  
IP65



## PPC-11-12

### FEATURES

- ▶ 11.6" TFT-Display (1366 × 768 px)
- ▶ Front IP65 protection
- ▶ Powered by the newest technology with support for Single and Dual Core Intel® Atom™ Processors up to 1,8 GHz
- ▶ Intel® 82801HM I/O Controller
- ▶ Allows simultaneous use of UMTS and WLAN for extended router applications
- ▶ On Board High Definition Audio Interface
- ▶ Supports up to 4GB DDR2 Memory
- ▶ Design, Production and Support "Made in Germany"

### BENEFITS

- ▶ Long term availability
- ▶ Free of rotating parts
- ▶ Integrated Touch-Controller
- ▶ Full software compatibility
- ▶ Rugged & reliable choice for demanding embedded applications
- ▶ Small installation depth
- ▶ High brightness
- ▶ Integration- and application-services, trainings
- ▶ Low emission, high immunity
- ▶ CE





# PPC-11-12

EM Vision

## OVERVIEW

The EM Vision Panel PC is powered by latest technology, including Intel® Atom™ Processors up to 1,8 GHz and the Intel® 82801HM I/O Controller. The perfect Plug&Play system solution offers a wide range of TFT display sizes and optional a harddisk. An optional wireless module supporting GPRS, EDGE, UMTS and HSDPA is available and at the same time a optional Wireless LAN module can be used.

## SPECIFICATION SUMMARY

- ▶ Fanless operation
- ▶ Gigabit Ethernet Port
- ▶ SATA Interfacing
- ▶ Integrated Touchcontroller
- ▶ UMTS modem solution with SIM card reader
- ▶ Dual Independent Display

## SPECIFICATIONS

### TFT-DISPLAY

11,6" TFT-Display (1366 x 768 px)

### CPU

Intel® Atom™ Dual Core Processors 1,8 GHz  
Single Core Prozessors (option)

### CHIPSET

Intel® 82801HM I/O Controller

### MAX. MEMORY

Up to 4GB DDR2 RAM with 667 Mhz support

### BIOS

UEFI-BIOS

### SERIAL ATA INTERFACE

2x Internal SATA Connector

### 1 GBIT ETHERNET

Intel® 82567V Gigabit Ethernet Controller  
1x on front side, 2x on right side

### WLAN

802.11 b/g (option)

### WIRELESS

GPRS/EDGE/UMTS/HSDPA module (option)

### USB HOST PORTS

4x USB 2.0 Host Ports Type A

### SERIAL PORT

2x 9-pin male D-SUB Connector for RS232

### ANALOG VGA PORT

VGA DSUB15 (Analog RGB)  
Resolution up to 1400x1050 (HD1050) @60Hz

### HARDDISK

Automotive or standard grade harddisk (option)  
or industrial flash disks (option)

### ADDITIONAL OPTIONS

High Definition Audio  
Headphone  
2x RS-422  
2x CAN bus  
1x External SIM Card Reader

### FANLESS

Designed for fanless operation

### MANAGEMENT

Hardware Monitoring and Watchdog

### POWER INPUT

DC: 8V (min) to 32V (max)

### EMI SHIELDING

CE, other upon request  
EN55022:2006+A1204 / EN61000-6-2:2005  
CLASS: A+B

### SIZE

DC variant: Approximately (L x W x H)  
225 mm x 337 mm x 69 mm

### MASS

Approximately 2700 gram

### PROTECTION

Front side IP65

### TEMPERATURE RANGE

FANLESS Operation:  
0°C to +50°C ambient  
Other temperature ranges upon request

Storage:  
-40°C to +85°C ambient

### HUMIDITY

Maximal relative humidity of atmosphere  
non condensing  
Working up to 75%  
Storage up to 95%