

KS212

Freescal



Features

- 7" WVGA Touch Screen Fanless Panel PC
- 1GB DDR3 onboard
- 4GB eMMC onboard
- 1 SD/ MMC socket
- 1 HDMI , 2 USB 2.0, 1 USB OTG, 1 LAN, 1 COM, 12-bit GPIO
- Open Frame Panel PC for easy integration into a customized enclosure



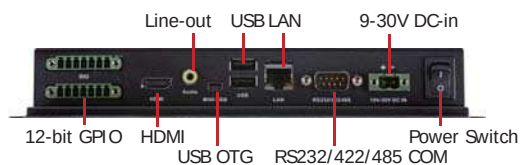
Panel



Side View

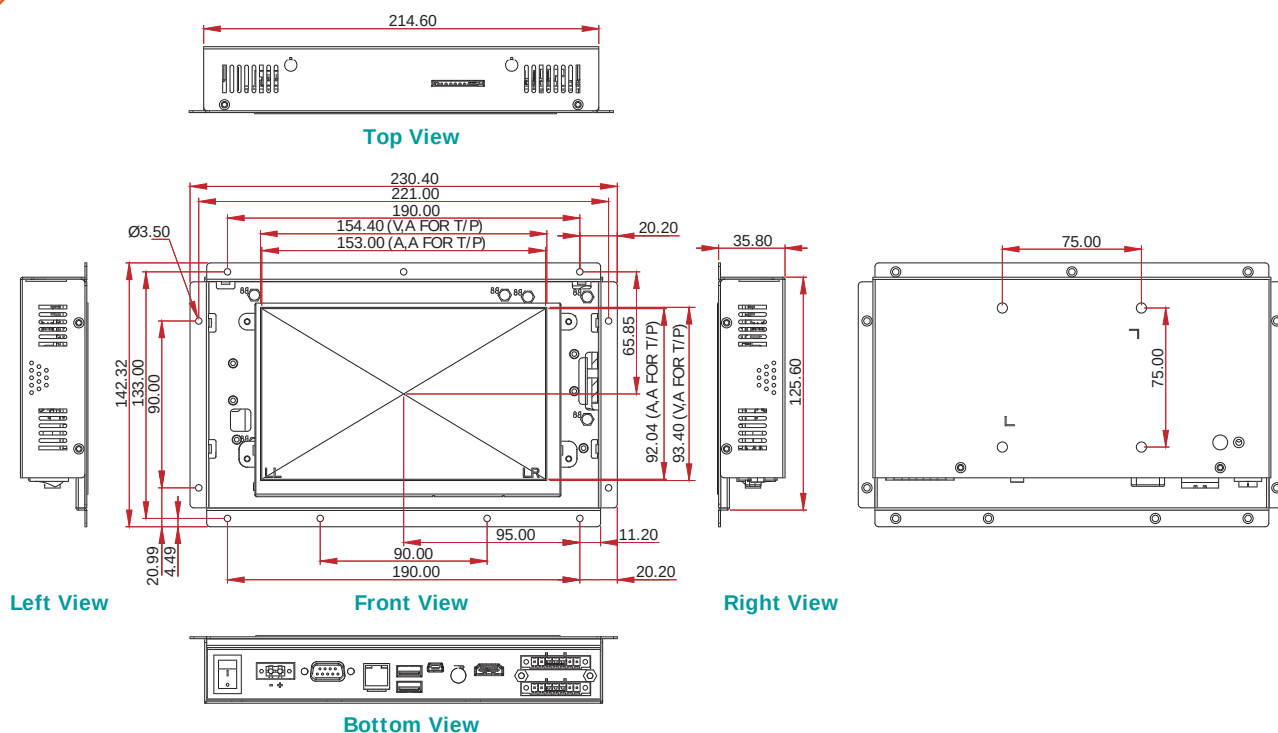


Top View



Bottom View

Dimensions



KS212

Specifications

PROCESSOR

- Freescale i.MX535
- ARM Cortex-A8 core
- Processor speed: up to 1GHz

SYSTEM MEMORY

- DDR3 onboard
- Onboard memory
- 1GB (standard)
- 2GB: option

LCD and TOUCH SCREEN

- 7" (800x480) WVGA TFT touch screen LCD
- Supports touch screen
- TI® TSC2004 touch screen controller
- 400 NITS
- 4-Wire Resistive touch screen
- 4-Wire Capacitive touch screen (option)

STORAGE

- 64KBit EEPROM (option)
- 1 SD/MMC socket
- Supports 4GB (standard), 8GB and 16GB eMMC onboard

GRAPHICS

- 1 HDMI

ONBOARD LAN FEATURES

- SMSC 8710 10/100 Ethernet transceiver

AUDIO

- SGTL5000 2-channel audio codec
- 2 built-in 2W speakers (left and right sides)
- 1 Line-out

COM

- 1 RS232/422/485 COM port

USB

- 2 USB 2.0 ports (Type A)
- 1 USB OTG port (Type B)

GPIO

- 1 6-bit input and 6-bit output GPIO connector (with power)

EXPANSION SLOTS

- 1 Mini PCIe slot (DFI Proprietary)
- Supports half size Mini PCIe card
- Supports USB interface for 3G module
- 1 SIM card slot

I/O PORTS

- Bottom
- 1 DB-9 RS232/422/485 serial port
- 1 HDMI port
- 1 USB OTG port (Type B)
- 2 USB 2.0/1.1 ports (Type A)
- 1 Line-out jack
- 12-bit GPIO (2 7-pole terminal blocks)
- 1 2-pin 9-30V DC-in jack
- 1 power switch
- 1 LAN port
- Side
- 2 built-in 2W speakers (left and right sides)
- Top
- 1 SD/MMC card socket

POWER

- 9~30Vdc (+/-10%) power input voltage

FRONT PANEL PROTECTION

- IP65 (Dust Tight; Water Proof protection)

CONSTRUCTION

- Aluminum front bezel, rugged metal housing

MOUNTING

- VESA 75x75

ENVIRONMENT

- Temperature
- Operating: -20°C ~ 65°C
- Storage: -30°C ~ 80°C
- Relative Humidity
- 95% RH at 65°C, 1 week
- Corrosion
- 4 periods of 7 days at 65°C with 90-95% relative humidity after 2 hours salt spray or waiver

DIMENSIONS

- 230.40mm x 142.32mm x 35.80mm

WEIGHT

- 1.90 kg

OS SUPPORT

- Android 2.3
- LTIB Linux 2.6.35.3

Ordering Information

Model Name	Part Number	Description
KS212-104R	750-KS2120-000G	7" Panel PC, Freescale i.MX535, Open Frame, onboard DDR3 1GB, onboard eMMC 4GB, Resistive Touch
KS212-108R	750-KS2120-100G	7" Panel PC, Freescale i.MX535, Open Frame, onboard DDR3 1GB, onboard eMMC 8GB, Resistive Touch
KS212-116R	750-KS2120-200G	7" Panel PC, Freescale i.MX535, Open Frame, onboard DDR3 1GB, onboard eMMC 16GB, Resistive Touch
KS212-204R	750-KS2120-400G	7" Panel PC, Freescale i.MX535, Open Frame, onboard DDR3 2GB, onboard eMMC 4GB, Resistive Touch
KS212-208R	750-KS2120-500G	7" Panel PC, Freescale i.MX535, Open Frame, onboard DDR3 2GB, onboard eMMC 8GB, Resistive Touch
KS212-216R	750-KS2120-600G	7" Panel PC, Freescale i.MX535, Open Frame, onboard DDR3 2GB, onboard eMMC 16GB, Resistive Touch

Optional Items

Optional Items	Part Number	Description
Wall Mount	785-PPCWMK	Standard Panel PC Wall Mount kit
Power Cord	785-PWRD	Power cord, Standards (USA/EUR/CH), 1.8m, RoHS

Packing List

• 1 KS212 Touch Panel PC
• 1 24V power adapter
• 3 Terminal blocks
• 1 Quick Installation Guide
• 1 CD disk includes: Manual