

# MRS-800 / MRS-801-RE 8" RISC-Based Power-Over-Ethernet Panel PC

MRS Series 



## I/O View



MRS-800



MRS-801-RE

## Features

- High-Performance ARM-based processor
- 8" SVGA TFT LCD with resistive touch screen
- User-defined status LED light bar
- Supports USB OTG (USB On-The-Go)
- Compact fanless design with plastic housing
- Supports Android 4.0X (MRS-801-RE only)
- Programmable LED light bar



- Android support



- 12V DC or PoE power input



- SD card slot with safety cover



# MRS-800 / MRS-801-RE

## Specifications

Model No.	MRS-800	MRS-801-RE	
<b>Display &amp; Touch Screen</b>	Display Size	8" TFT LCD	8" TFT LCD
	Max. Resolution	800 x 600	800 x 600
	Luminance (cd/m <sup>2</sup> )	250	250
	Contrast	500:1	500:1
	Max. Color	262K	262K
	View Angle (H°/V°)	140/120	140/120
	Backlight Lifetime(hrs)	20000	30000
	Touch Type	Resistive	Resistive
	Touch Interface	USB	USB
	Light Transmission (%)	80	80
	Point of touch	1	1
<b>I/O Interface</b>	USB 3.0	0	0
	USB 2.0	1x USB (USB Host. A-Type) 1x USB OTG (mini AB type)	1x USB (USB Host. A-Type) 1x USB OTG (mini AB type)
	RS-232/422/485 Selectable under BIOS	0	1 (via RJ-45 connector)
	RS-232	1 (via RJ45 connector)	0
	LAN	1x 10/100 LAN w/ PoE	1x GbE w/ PoE
	Additional Graphics	None	None
	Audio	None	None
	Digital I/O	None	None
	Power Connector	Power jack	Power jack
	Power Button	Reset button	Reset button
	<b>Mechanical</b>	Dimensions (mm)	211.6 x 171.2 x 33.5
Net Weight (kgs)		1.1	1.1
<b>System</b>	Processor	TI AM3517 600MHz	Freescall i.MX6 Cortex A9 Solo (Single-Core @ 1GHz)
	Memory	DDR2 256MB	1GB DDR3 memory
	Thermal Design	Fanless	Fanless
	Membrane Control	None	None
	Built-in Speaker/MIC	None	None
<b>Expansion</b>	Internal Expansion Bus	1x Mini PCI-E slot (full/half size)	1x Mini PCI-E slot (full/half size)
	Expansion Slot	None	None
	Wireless	Optional Wi-Fi/BT	Optional Wi-Fi/BT
<b>Storage Space</b>	HDD	NAND 512MB	1x 4GB eMMC on board
	Removable	1x SD card slot	1x SD card slot
<b>Power</b>	Power Input Range	12V DC / PoE	12V DC / PoE +
<b>Construction</b>	Chassis Material	Plastic	Plastic
	Color (Front/Back)	Black / Black	Black / Black
	IP Rating	IP65 front bezel	IP65 front bezel
	Mounting	VESA 75x75 mm	VESA 75x75 mm
<b>Environmental</b>	Operating Temperature	0°C ~ 45°C	0°C ~ 50°C
	Storage Temperature	-20°C ~ 80°C	-20°C ~ 60°C
	Storage Humidity	5~90% @ 45°C, (non-condensing)	10%~90% (non-condensing)
	Certification	CE/FCC Class B	CE/FCC Class B
	Supported Operating Systems	Android 2.2X	Android 4.3

01

Vertical Applications  
Panel PC

02

Stainless Steel  
Panel PC

03

All-In-one Panel  
PC with Riser Card  
Expansion

04

Compact Panel PC

05

Heavy-duty  
Industrial Panel PC

06

ARM-Based  
Panel PC

07

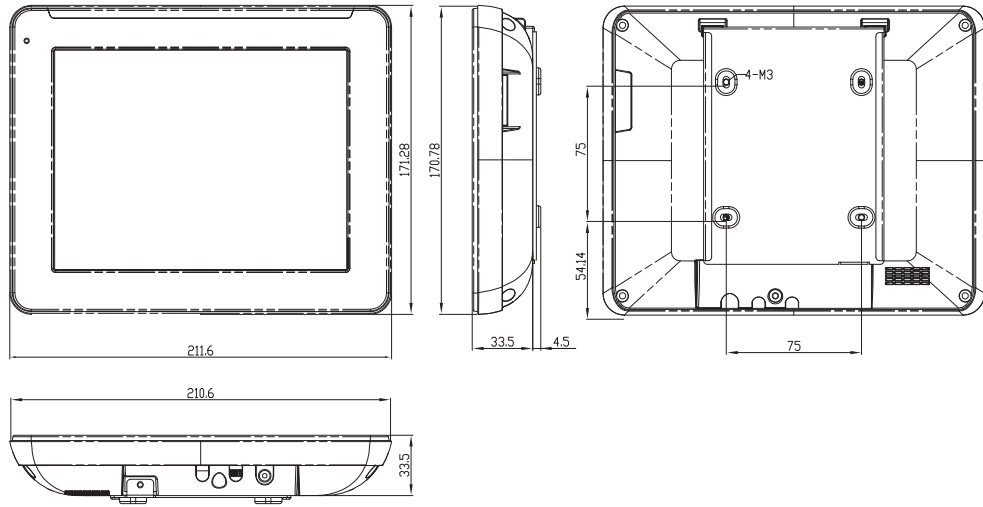
ARM-Based HMI

60

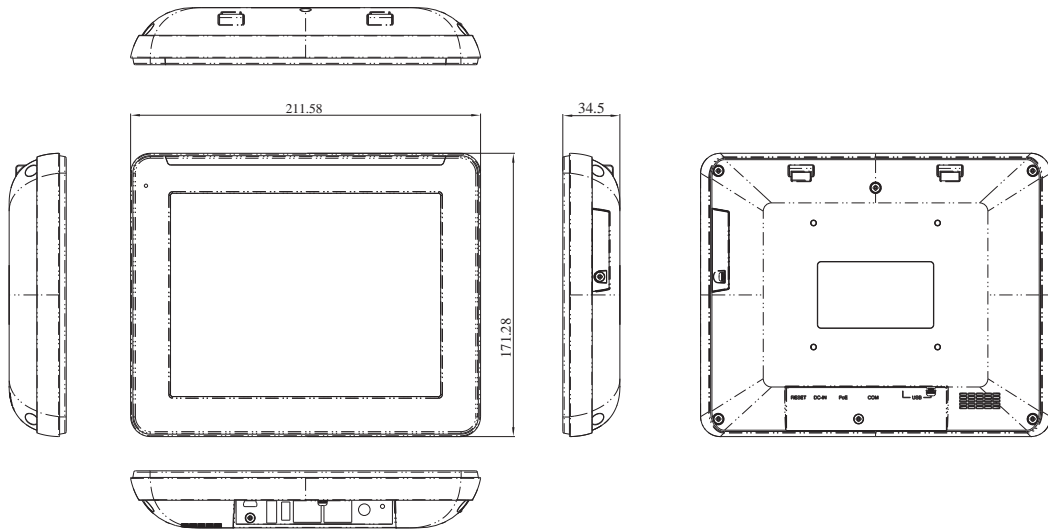
# MRS-800 / MRS-801-RE

## Dimensions

MRS-800



MRS-801-RE



## Ordering Information

MRS-800	RISC 8" (800 x 600) Panel PC with resistive touch, with IB100, TI AM3517 600MHz CPU, 256MB DDR2 on board, 512MB NAND flash, w/ 60W power adaptor
MRS-801-RE	RISC 8" (800 x 600) Panel PC with resistive touch, with IB102, i.MX6 Cortex A9 CPU, 1GB DDR3 on board, supports Android, w/ 60W power adaptor

- 01 Vertical Applications Panel PC
- 02 Stainless Steel Panel PC
- 03 All-in-one Panel PC with Riser Card Expansion
- 04 Compact Panel PC
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- 06 ARM-Based Panel PC
- 07 ARM-Based HMI