



RS PRO High-Performance Touch-Screen HMI, 7 Inch Backlit TFT LCD Display, 800 x 480 Pixels

RS Pro Stock No: **2156604**



RS Pro HMI devices provide insight into mechanical performance and progress. Integrated HMI solutions remove the need for physical wires, switches, dials, and controls and replaces them with software. This allows users more autonomy over monitoring and automation, to perform functions such as starting and stopping cycles, adjusting set points and other processes when interacting with a control process.

HMI Touch screen displays are panel-mounted devices with responsive touch screens for operator input. Display graphics allow the easy selection of options, making them helpful in many industrial and commercial environments. The touch panels aid control and visualization in a wide range of applications. Crisp, clear displays provide precision control over certain variables that can also be customized.

Processor Cortex A7:

Our HMI display units are powered by the impressive Cortex A7 processor. It delivers more single-thread performance and visualization support in hardware. Cortex A7 is a world-class CPU ideal for HMI solutions and delivers similar performance to the Cortex A9 at higher power levels.

Specifications:

Display Type: TFT LCD
Display Size: 7 in
Display Resolution: 800 x 480pixels
Display: Color
Number of Ports: 3
Interface: USB
Port Type: COM1, COM2, USB Host, USB Client
Processor Type: ARM Cortex
Processor Speed: 528MHz
Onboard Memory: 128M FLASH, 128M DDRIII RAM
Backlighting: Yes
Supply Voltage: 24 V dc
IP Rating: IP65
Depth: 39mm
Width: 201mm
Dimensions: Bezel; 201.2 x 147.2 x 39.0mm Cut-out: 192.0 x 138.0mm
Minimum Operating Temperature: -20°C
Maximum Operating Temperature: 60°C
Country of Origin: CN

Features:

Hardware: Cortex A7 528MHz CPU
128M DDRIII RAM + 128M Flash
Resolution: 800x400 TFT LCD
16,000 Colors
Storage: Support Data Storage
U Disk
Interface: COM 1:RS485/RS422. COM2 RS232
USB Host + USB Client. Type A & B

Benefits:

- Large capacity library
- Enhanced software security
- Less boot-time
- Better waterproof and cooling
- Fast screen update
- Faster screen switch
- Fluent touch
- Improved communication stability
- Touchscreen HMI display

Applications:

- Industrial and Commercial Environments
- Process control systems
- Information solution
- Air-traffic control
- Kiosks
- Information points
- Hospitality

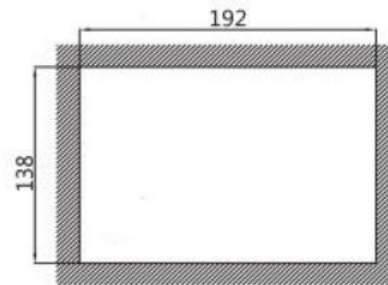
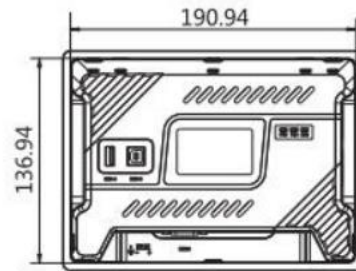
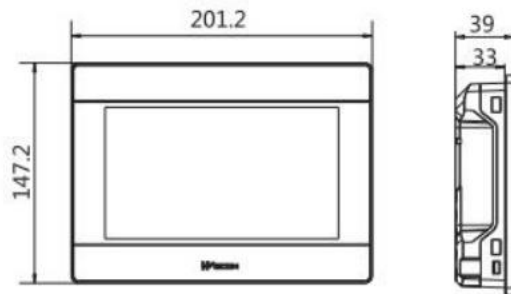
RS PRO Touchscreen HMI Display Variants:

- 7 in screen, USB interface; RS stock no: [215-6604](#)
- 7 in screen, USB, Ethernet interface; RS stock no: [215-6605](#)
- 10.2 in screen, USB, Ethernet interface; RS stock no: [215-6606](#)



Dimensional line drawings

Unit : mm , error range:±0.5mm



HMI Editor Programming Software

User Manual Download Link:

<https://docs.rs-online.com/ca7f/A700000008222006.pdf>

Use this cross-reference table as necessary to select the correct manufacturer's part number for your project

RS Stock number to MPN cross-reference	
RS Stock Number	Manufacturer Part Number
221-3481	PI 3043ie-N-RS
215-6607	PI 3070ig-RS
215-6604	PI 3070i-RS
215-6605	PI 3070ig-O-RS
215-6606	PI 3102i-RS
250-8924	PI3035ie-RS
250-8925	PI3043ie-RS
250-8926	PI3070i-A-RS
250-8927	PI3102i-A-RS
250-8928	PI3102ig-RS
250-8929	PI8150ig-RS