

FEATURES

- Powerful Cortex A35 1.2GHz processor
- Compact dimensions, Shallow depth behind panel
- IIoT MQTT Client
- App for iOS and Android Smart Phones and Tablets
- RS232, 422/485
- Ethernet
- Micro USB port
- 300 popular PLC brands & Serial Protocols supported
- Comprehensive user manual & configuration software downloads on RS Website product page

RS PRO IIoT HMI. 7.0 inch, 1024x600 Backlit TFT LCD. 16k Colours.

RS Stock No.: 215-6607



RS Pro IIoT HMI, types **215-6607** features remote monitoring, control & update from a PC via secure HTTPS protocol on a cloud server.

It is also compatible with the 'Wecon IIoT' App for iOS or Android, giving remote screen emulation and control on a Smart Phone or Tablet. (See Apple App store or go to <http://v-box.net/theme/html/app.html>)

In addition it is also MQTT (Message Queue Telemetry Transport) Client for IIoT functionality. LUA script is included.

See Similar Products selection table on page 4

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

- *HMI's are used to monitor machines, perform tasks and visualise operational status. The display can be programmed to display status, instructions, soft messages and SCADA systems.
Soft buttons on the touch screen reduce the requirement for separately mounted push-buttons and selector switches thus saving you component cost, installation cost and panel space.*
- *This popular sized 7.0 inch model will be suited to many applications that require cloud communications for remote monitoring, control and updates. It can also be accessed via the manufacturers iOS/Android App 'IIoT Box' which offers remote HMI screen emulation for monitoring and control on Smart Phones and Tablets*
- *Use HMI's to monitor and control Air Conditioning and Temperature Control systems, Access control and many types of machinery and systems.*

General Specifications

General:	
Operating System	Linux 4.4.0 QT based
Processor	Cortex A35 1.2GHz
Display	
Size	7.0"
Resolution	800 x 400
Colours	16,000 colours
Brightness (c/m²)	250.0
Backlight	LED
Backlight Lifetime	50,000 Hours
Touch Panel	High Precision 4-wire resistive
Storage:	
Memory	128MB
Flash	128MB
SD Card Slot	Yes
USB Port	USB 2.0 Host, USB 2.0 Client
RTC:	
Real Time Clock	No
Calendar	Yes
I/O Port, COM1	CN1:RS422/485, CN2:RS232, CN3: RS485
Ethernet	Yes
IIoT	MQTT Client
	LUA Script

Electrical Specifications

Rated Power	<15W
Power Voltage	24VDC
Supply Voltage range	12 – 28VDC

Mechanical Specifications

Housing Colour	Grey
Housing Material	Plastic + ABS (Polycarbonate)
Max. Dimensions, mm	201.2 x 147.2 x 39.0 (W,H,D)
Panel cut-out, mm	192.0 x 138.0 (W, H)
Mounting method	Through panel mount
Weight (Kg)	1.2

Environment

Operating Temperature range	-30 - +70°C
Storage Temperature	-10 - +60°C
Humidity	10 – 90% RH (non-condensing)
Vibration Resistance	10~25Hz (X, Y, Z directions 2G/30 minutes)
Cooling	Air cooling

Protection Category

IP Rating	IP65 (Front Panel)
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Approvals

Compliance/Certifications	UKCA/CE/FCC Class A
Declarations	MFR Declaration of Conformity

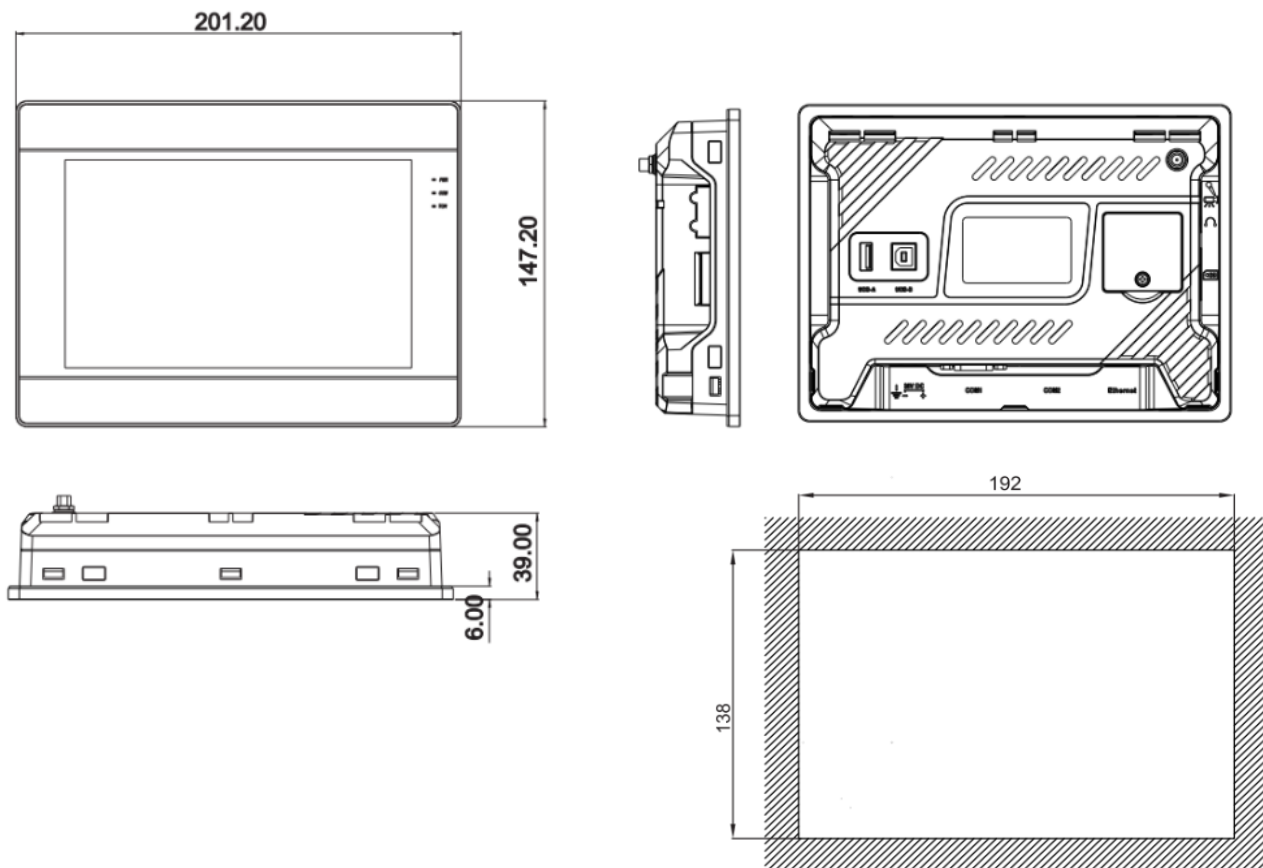
Configuration

RS PRO HMI Editor User Manual	Download from product page on RS Components website
PI Studio Configuration Software	Download from product page on RS Components website
APP for remote monitoring/control	IIoT Box: Free from Apple App Store or download from; http://v-box.net/theme/html/app.html

Similar Products

Stock Number	Short Description
221-3481	RS Pro Touch-Screen HMI, 4.3" TFT LCD 480 x 272, Ethernet, USB, RS422/485, 232
215-6604	RS Pro Touch-Screen HMI, 7.0" TFT LCD 800 x 480, USB, RS422/485, 232
215-6605	RS Pro Touch-Screen HMI, 7.0" TFT LCD 800 x 480, Ethernet, USB, RS422/485, 232
215-6607	RS Pro Touch-Screen HMI, 7.0" TFT LCD 800 x 480, Ethernet, USB, RS422/485, 232, IIoT MQTT Client. LUA Script. Remote monitoring/update via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
215-6606	RS Pro Touch-Screen HMI, 10.2" TFT LCD 1024 x 600

Dimensions, mm



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