

## FEATURES

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

## RS PRO IIoT HMI. 7.0 Inch, 800x480 Backlit TFT LCD. 16k Colours.

RS Stock No.: **2765909**



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 process systems.

RS PRO IIoT HMI, types 215-6607 (7") **2765909** (advanced 7") 250-8928 (10.2") & 2508929 (15") feature remote monitoring, control & update from a PC via secure HTTPS protocol on a cloud server.

They are also compatible with the 'Wecon IIoT' App for iOS or Android, giving screen emulation and control on a Smart Phone or Tablet. Go to <http://v-box.net/theme/html/app.html>

In addition they are also MQTT (Message Queue Telemetry Transport) Clients for IIoT functionality. LUA script is included.

See Similar Products selection table on page 4

## General Specifications

<b>General:</b>	
<b>Operating System</b>	Linux 4.4.0 QT based
<b>Processor</b>	Cortex A35. 600MHZ
<b>Display</b>	
<b>Size</b>	7.0"
<b>Resolution</b>	800 x 480
<b>Colours</b>	16,000 colours
<b>Brightness (c/m<sup>2</sup>)</b>	250.0
<b>Backlight</b>	LED
<b>Backlight Lifetime</b>	50,000 Hours
<b>Touch Panel</b>	High Precision 4-wire resistive
<b>Storage:</b>	
<b>Memory</b>	512MB
<b>Flash</b>	4GB
<b>SD Card Slot</b>	Yes
<b>USB Port</b>	USB 2.0 Host, USB 2.0 Client
<b>Real Time Clock</b>	Yes
<b>Calendar</b>	Yes
<b>I/O Port, COM1</b>	CN1:RS422/485, CN2:RS232, CN3: RS485
<b>Ethernet</b>	Yes
<b>IIoT</b>	MQTT Client, LUA Script
<b>Data Tool</b>	Yes
<b>Remote Access/Update</b>	Yes
<b>Email Alarm</b>	Yes
<b>WVPN</b>	Yes
<b>Cloud Scada</b>	Yes

Pass-Through	Serial
LAN Monitoring	Yes

### Electrical Specifications

Rated Power	<10W
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 with integral clamp
Weight (Kg)	0.52

### Environment

Operating Temperature range	-10 – +55°C
Storage Temperature	-20 – +70°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

<b>RS PRO HMI Editor User Manual</b>	Download from product page on RS website
<b>PI Studio Configuration Software</b>	Download from product page on RS website
<b>APP for remote monitoring/control</b>	<b>IloT Box:</b> Free from Apple App Store or download from: <a href="http://v-box.net/theme/html/app.html">http://v-box.net/theme/html/app.html</a>

## Similar Products

Stock Number	Short Description
<b>215-6607</b>	RS Pro Touch-Screen HMI, 7.0" TFT LCD 800 x 480, Ethernet, USB, RS422/485, 232, IloT MQTT Client. LUA Script. Remote monitoring/update via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
<b>250-8928</b>	RS Pro Touch-Screen HMI, 10.2" TFT LCD 1024 x 600, Ethernet, USB, RS422/485, 232, IloT MQTT Client. LUA Script. Remote monitoring/update via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
<b>250-8929</b>	RS Pro Touch-Screen HMI, 15.0" TFT LCD 1920 x 1080, Ethernet, USB, RS422/485, 232, IloT MQTT Client. LUA Script. Remote monitoring/update via cloud server. Remote HMI Screen emulation and operation via iOS/Android App

## Dimensions, mm

Panel cut-out 192.0 x 138.0 (W, H)

