

## FEATURES

- Powerful Cortex A35 1.2GHz processor
- Compact dimensions, Shallow depth behind panel
- IIoT MQTT Client
- Advanced Cloud Functions
- LAN Monitoring
- 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", 1024x600 Backlit TFT LCD. 16k Colours

RS Stock No.: **2765899**



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 10.2 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  
This model is further enhanced with LAN Monitoring and Cloud Support & Cloud SCADA<sup>1</sup>
- Use HMI's to monitor and control Air Conditioning and Temperature Control systems, Access control and many types of machinery and Process systems.

## General Specifications

<b>General:</b>	
<b>Operating System</b>	Linux 4.4.0 QT based
<b>Processor</b>	Cortex A35, 1.2GHz
<b>Display Size</b>	7.0"
<b>Display Resolution</b>	800 x 480
<b>Display Colours</b>	16,000 colours
<b>Display Brightness (c/m<sup>2</sup>)</b>	250.0
<b>Display Backlight</b>	LED
<b>Backlight Lifetime</b>	50,000 Hours
<b>Touch Panel</b>	High Precision 4-wire resistive
<b>Storage: Memory</b>	128MB
Flash	128MB
<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>IIoT</b>	MQTT Client <sup>1,2</sup> LUA Script <sup>1,2</sup>
<b>Data Tool</b>	Yes – See user manual, Chapter 6
<b>App &amp; remote control</b>	Yes <sup>1</sup> Android/iOS here <a href="http://v-box.net/theme/html/app.html">http://v-box.net/theme/html/app.html</a>
<b>Remote update HMI</b>	Yes <sup>1</sup>
<b>WVPN</b>	Yes <sup>1</sup>
<b>Cloud Scada</b>	Yes <sup>1</sup>
<b>Pass-Through</b>	Serial <sup>1</sup>
<b>Real-time Data</b>	Yes x 100 <sup>1</sup>
<b>Alarm Data</b>	Yes x 20 <sup>1</sup>
<b>History Data</b>	Yes x 50 <sup>1</sup>
<b>LAN Monitoring</b>	Yes <sup>1,2</sup>

<sup>1</sup> Via Wecon V-Net (FOC)	<a href="https://www.we-con.com.cn/en/terminal_s/42.html">https://www.we-con.com.cn/en/terminal_s/42.html</a>
<sup>2</sup> Open Cloud Mode	Yes, Select Cloud service of your choice.

### 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 147.0 x 39.0 (W,H,D)
Panel cut-out, mm	192.0 x 130.0 (W, H)
Mounting method	Through panel mount with integral clamp
Weight (Kg)	1.2

### 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
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Declarations	MFR Declaration of Conformity
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## Configuration

RS PRO HMI Editor User Manual	Download from product page on RS website
PI Studio Configuration Software	Download from product page on RS website
APP for remote monitoring/control	<b>IIoT 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>
Wecon V-Net (FOC)	<a href="https://www.we-con.com.cn/en/terminal_s/42.html">https://www.we-con.com.cn/en/terminal_s/42.html</a>
Open Cloud Mode	Select Cloud service of your choice.

## Similar Products

Stock Number	Short Description
<b>2765899</b>	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/SCADA via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
<b>2765901</b>	RS Pro Touch-Screen HMI, 7.0" TFT LCD 800 x 400, Wi-Fi, Ethernet, USB, RS422/485, 232, IIoT MQTT Client. LUA Script. Remote monitoring/update/SCADA via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
<b>2765900</b>	RS Pro Touch-Screen HMI, 7.0" TFT LCD 800 x 480, 4G (Global), Ethernet, USB, RS422/485, 232, IIoT MQTT Client. LUA Script. Remote monitoring/update/SCADA via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
<b>2765905</b>	RS Pro Touch-Screen HMI, 10.1" TFT LCD 1024 x 600, Ethernet, USB, RS422/485, 232, IIoT MQTT Client. LUA Script. Remote monitoring/update/SCADA via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
<b>2765907</b>	RS Pro Touch-Screen HMI, 10.1" TFT LCD 1024 x 600, Wi-Fi, Ethernet, USB, RS422/485, 232, IIoT MQTT Client. LUA Script. Remote monitoring/update/SCADA via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
<b>2765906</b>	RS Pro Touch-Screen HMI, 10.1" TFT LCD 1024 x 600, 4G (Global), Ethernet, USB, RS422/485, 232, IIoT MQTT Client. LUA Script. Remote monitoring/update/SCADA via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
<b>2765911</b>	RS Pro Touch-Screen HMI, 15.0" TFT LCD 1920 x 1080, Ethernet, USB, RS422/485, 232, IIoT MQTT Client. LUA Script. Remote monitoring/update/SCADA via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
<b>2765913</b>	RS Pro Touch-Screen HMI, 15.0" TFT LCD 1920 x 1080, Wi-Fi, Ethernet, USB, RS422/485, 232, IIoT MQTT Client. LUA Script. Remote monitoring/update/SCADA via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
<b>2765912</b>	RS Pro Touch-Screen HMI, 15.0" TFT LCD 1920 x 1080, 4G (Global), Ethernet, USB, RS422/485, 232, IIoT MQTT Client. LUA Script. Remote monitoring/update/SCADA via cloud server. Remote HMI Screen emulation and operation via iOS/Android App

## Dimensions, mm

