

## FEATURES

- Powerful Cortex A35 1.2GHz processor
- Compact dimensions, Shallow depth behind panel
- Wi-Fi
- 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. 15.0", Wi-Fi 1920x1080 Backlit TFT LCD. 260k Colours.

RS Stock No. **0765042**



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 large 15.0 inch model will be suited to many applications that require cloud communications for remote monitoring, control and updates, together with a greater amount of graphics and enhanced viewability. It can also be accessed via the manufacturers iOS/Android App 'IloT Box' which offers remote HMI screen emulation for monitoring and control on Smart Phones & Tablets  
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- Use HMI's to monitor and control Air Conditioning and Temperature Control systems, Access control and many types of machinery and systems.

RS PRO advanced IloT/Cloud HMI's feature remote monitoring, control & update from a PC via secure HTTPS protocol on a cloud server.

They are also compatible with the 'Wecon IloT' 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 IloT functionality. LUA script is included.

See Similar Products selection table on page 4

## General Specifications

Operating System	Linux 4.4.0 QT based
Processor	Cortex A35, 1.2GHz
Display Size	15.0"
Display Resolution	1920 x 1080
Display Colours	260,000 colours
Display Brightness (c/m <sup>2</sup> )	220
Display Backlight	LED
Backlight Lifetime	50,000 Hours
Touch Panel	High Precision 4-wire resistive
Storage: Memory	Memory 128MB + Flash 128MB
SD Card Slot	Yes
USB Port	USB 2.0 Host, USB 2.0 Client
Real Time Clock	Yes
Calendar	Yes
I/O Port, COM1	CN1:RS422/485, CN2:RS232, CN3: RS485
Wi-Fi	Yes
IloT	MQTT Client <sup>12</sup> LUA Script <sup>12</sup>
Data Tool	Yes – See user manual, Chapter 6
App & remote control	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>
Remote update HMI	Yes <sup>1</sup>
WVPN	Yes <sup>1</sup>
Cloud Scada	Yes <sup>1</sup>

Pass-Through	Serial <sup>1</sup>
Real-time Data	Yes x 100 <sup>1</sup>
Alarm Data	Yes x 20 <sup>1</sup>
History Data	Yes x 50 <sup>1</sup>
LAN Monitoring	Yes <sup>12</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	Silver
Housing Material	Aluminium + Metal + ABS
Max. Dimensions, mm	403.0 x 253.0 x 35.2 (W,H,D)
Panel cut-out, mm	390.0 x 244.0 (W, H)
Mounting method	Through panel mount
	VESA 75 fixings
Weight (Kg)	2.46

### Environment

Operating Temperature range	-10 – +60°C
Storage Temperature	0 – +50°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

## 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>2765900</b>	RS Pro Touch-Screen HMI, 7.0" 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

