

FEATURES

- Powerful Cortex A35 1.2GHz processor
- Compact dimensions, Shallow depth behind panel
- IIoT MQTT Client
- Wi-Fi
- 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", Wi-Fi 1024x600 Backlit TFT LCD. 16k Colours

RS Stock No.: **2765901**



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 SCADA¹
- 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 advanced IIoT/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 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

Operating System	Linux 4.4.0 QT based
Processor	Cortex A35, 1.2GHz
Display Size	7.0"
Display Resolution	800 x 480
Display Colours	16,000 colours
Display Brightness (c/m²)	250.0
Display 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
Real Time Clock	Yes
Calendar	Yes
I/O Port, COM1	CN1:RS422/485, CN2:RS232, CN3: RS485
Wi-Fi	Yes
IIoT	MQTT Client ^{1,2} LUA Script ^{1,2}
Data Tool	Yes – See user manual, Chapter 6
App & remote control	Yes ¹ Android/iOS here http://v-box.net/theme/html/app.html
Remote update HMI	Yes ¹
WVPN	Yes ¹
Cloud Scada	Yes ¹
Pass-Through	Serial ¹
Real-time Data	Yes x 100 ¹
Alarm Data	Yes x 20 ¹

History Data	Yes x 50 ¹
LAN Monitoring	Yes ¹²
¹ Via Wecon V-Net (FOC)	https://www.we-con.com.cn/en/terminal_s/42.html
² 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
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	IloT Box: Free from Apple App Store or download from: http://v-box.net/theme/html/app.html
Wecon V-Net (FOC)	https://www.we-con.com.cn/en/terminal_s/42.html
Open Cloud Mode	Select Cloud service of your choice.

Similar Products

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

Dimensions, mm

