HMI Displays

RS PRO
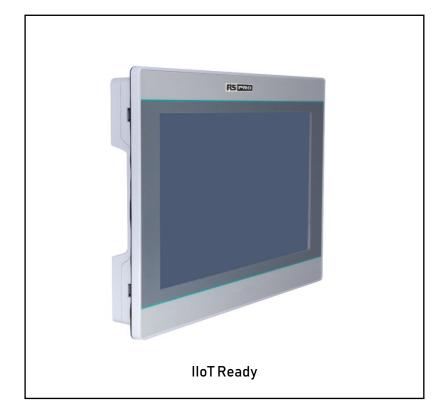
FEATURES

- Powerful Cortex A35 1.2GHz processor

- Compact dimensions, Shallow depth behind panel

- LUA Script

- LAN Monitoring

- App for iOS and Android Smart Phones and Tablets

- RS232, 422/485, 485

- Ethernet

- USB2.0 Host/Client

- Comprehensive user manual & configuration software downloads on RS Website product page

- Configuration software includes 300+ popular PLC Serial Protocols

RS PRO
IIoT HMI. 10.2 Inch, 1024x600 Backlit TFT LCD. 16k Colours.

RS Stock No.: 2765908

IIoT Ready

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.

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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 limited IIoT functionality. 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 features limited IIoT functionality with LUA Script and LAN Monitoring
- 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 HMI, types 215-6607 (7") 250-8928 (10.2") & 250-8929 (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.

General Specifications

General:	
Operating System	Linux 4.4.0 QT based
Processor	Cortex A35, 1.2GHz
Display	
Size	10.2"
Resolution	1024 x 600
Colours	16,000 colours
Brightness (c/m^2)	350.0
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
Real Time Clock	Yes
Calendar	Yes
I/O Port, COM1	CN1:RS422/485, CN2:RS232, CN3: RS485
Ethernet	Yes
IIoT	LUA Script.
LAN Monitoring	Yes
Data Tool	Yes

Electrical Specifications

HMI Displays

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Rated Power	<10W
Power Voltage	24VDC
Supply Voltage range	12 – 28VDC

Mechanical Specifications

Housing Colour	Grey
Housing Material	Plastic + ABS (Polycarbonate)
Max. Dimensions, mm	272.0 x 190.7 x 41.5 (W,H,D)
Panel cut-out, mm	260.0 x 179.0 (W, H)
Mounting method	Through panel mount with integral clamp
Weight (Kg)	1.2

Environment

Operating Temperature range	–10 – +55ºC
Storage Temperature	–20 – +70^{0}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)

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

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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
250-8928	RS Pro Touch-Screen HMI, 10.2" 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
250-8929	RS Pro Touch-Screen HMI, 15.0" 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

Dimensions, mm

PI3102i installation size