RS PRO

Features

- Powerful Cortex A35 1.2GHz processor

- Compact dimensions, Shallow depth behind panel

- RS232, 422/485

- Micro USB port

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

- Configuration software includes 300+ popular PLC Serial Protocols

RS PRO HMI. 3.5 inch, 320x240 Backlit TFT LCD. 16k Colours

RS Stock No.: 2508924

RS PRO 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 compact 3.5 inch model will be suited to smaller appliances or applications that require a limited amount of operational features
- Use HMI's to monitor and control Air Conditioning and Temperature Control systems, Access control and many types of machinery.

General Specifications

General:	
Operating System	Linux 4.4.0 QT based
Processor	Cortex A35 1.2GHz
Display	
Size	3.5"
Resolution	320 x 240
Colours	16,000 colours
Brightness (c/m^2)	300.0
Backlight	LED
Backlight Lifetime	50,000 Hours
Touch Panel	High Precision 4-wire resistive
Storage:	
Memory	64MB
Flash	128MB
SD Card Slot	No
USB Port	Micro USB
RTC:	
Real Time Clock	Yes
Calendar	Yes
I/O Port	CN1: RS422/485 CN2: RS232

Electrical Specifications

Rated Power	<5W
Power Voltage	24VDC
Supply Voltage range	12 – 28VDC

Mechanical Specifications

Housing Colour	Grey
Housing Material	Plastic + ABS (Polycarbonate)
Max. Dimensions, mm	96.0 x 81.0 x 33.0 (W,H,D)
Panel cut-out, mm	91.0 x 73.0 (W, H)
Mounting method	Through panel mount with integral clamp
Weight (Kg)	0.14

Operation Environment Specifications

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)

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 Components website
PI Studio Configuration Software	Download from product page on RS Components website

Similar Products

Stock Number	Short Description
2508924	RS PRO Touch-Screen HMI, 3.5" TFT LCD 320 x 240. USB, RS422/485, 232
2508925	RS PRO Touch-Screen HMI, 4.3" TFT LCD 480 x 272. USB, RS422/485, 232
221-3481	RS PRO Touch-Screen HMI, 4.3" TFT LCD 480 x 272, Ethernet, USB, RS422/485, 232
215-6604	RS PRO Touch-Screen HMI, 7.0" TFT LCD 800 x 480, USB, RS422/485, 232
215-6605	RS PRO Touch-Screen HMI, 7.0" TFT LCD 800 x 480, Ethernet, USB, RS422/485, 232
2508926	RS PRO Touch-Screen HMI, 7.0" TFT LCD 800 x 480, Ethernet, USB, RS422/485, 232, CANopen
215-6607	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 via cloud server. Remote HMI Screen emulation and operation via iOS/Android App
215-6606	RS PRO Touch-Screen HMI, 10.2" TFT LCD 1024 x 600
2508928	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
2508927	RS PRO Touch-Screen HMI, 10.2" TFT LCD 800 x 480, Ethernet, USB, RS422/485, 232, CANopen
2508929	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