

iRis HMI - Plus Series



Technical Datasheet

Hardware Features

- Quad core CPU
- 16M full colour
- Multiple display options
- Up to two USB ports, 1 x SD Card
- Data logging and backup
- IP65 rated
- Up to two Ethernet port
- Up to two serial ports

Software Features

- Free iRis Developer software
- Remote access - iRisCloud/VNC
- Email support and in-built FTP functionality
- PDF Viewer
- Offline and online simulator
- FDA 21 CFR Part 11 compliance
- HSMS SECS/GEM protocol support
- Java scripting
- Alarm management, data logging and scheduling
- Auto-screen resizing
- OPC UA Support



Options & Ordering Codes

IR 12 P - S E C P

Series Name
iRis

Screen Size (diagonal)

5.6"	05
8.4"	08
10.4"	10
12.1"	12
15"	15

Series
Plus

Bezel Material
 Plastic

COM Ports

B	2 x COM ports
C	3 x COM ports

Connectivity
 Ethernet

Options
 Standard

Specifications

Part Number	IR05P-SEBP	IR08P-SEBP	IR10P-SECP	IR12P-SECP	IR15P-SECP
Size	5.6" TFT	8.4" TFT	10.4" TFT	12.1" TFT	15" TFT
Resolution / Colours	640 x 480 / 16M	800 x 600 / 16M	800 x 600 / 16M	1024 x 768 / 16M	1024 x 768 / 16M
Screen Memory	128 MB				
Back-up Memory	512 KB				
COM 1	RS-232C, RS-422/485. Connector: DSUB 9-pin x 1				
COM 2	RS-232C, RS-422/485. Connector: DSUB 9-pin x 1				
COM 3	No		RS-485. Connector: 3-Pin Screw Terminals		
Ethernet	1 x RJ-45 port, 10/100 Mbps		2 x RJ-45 port, 10/100 Mbps		
USB Host	USB 2.0 Compatible, Support: Storage, Barcode scanner, Connector: USB A x 1				
USB OTG	USB 2.0 Compatible, Support: Storage, Barcode scanner, Connector: USB Mini-B x 1				
SD Card	1 x SDHC (Max 32GB)				
Real Time Clock	Built In				
Certification	CE, UL, cUL, UKCA				
IP Rating	IP65				
Input Voltage	24VDC (20-28VDC)				
Power Consumption	12W		15W		18W

Specifications cont.

Part Number	IR05P-SEBP	IR08P-SEBP	IR10P-SECP	IR12P-SECP	IR15P-SECP
Operating Temperature	-10°C to +50°C (-14°F to +122°F)				
Net Weight	0.62kg (1.37lbs)	1.06kg (2.34lbs)	1.68kg (3.70lbs)	2.18kg (4.81lbs)	2.78kg (6.13lbs)
External Dimensions	172 x 140 x 58mm (6.77 x 5.51 x 2.28in)	236 x 182 x 58.9mm (9.29 x 7.17 x 2.32in)	274 x 216 x 64.7mm (10.79 x 8.50 x 2.55in)	320 x 261 x 64.7mm (12.60 x 10.28 x 2.55in)	369 x 300 x 67.2mm (14.53 x 11.81 x 2.65in)
Panel cut-out Dimensions	158 x 126mm (6.22 x 4.96in)	222 x 168mm (8.74 x 6.61in)	260 x 202mm (10.24 x 7.95in)	306 x 247mm (12.05 x 9.72in)	355 x 286mm (13.98 x 11.26in)
Housing Material	Polycarbonate (Flame Resistant)				

Serial port connections (COM1/COM2: 9-Pin Female D-Sub Connector, COM3: 3-Pin Terminal)

Pin No.	COM1		COM2		COM3	
	Signal	Description	Signal	Description	Signal	Description
1	RDA (RD+)	RS-422/485 Receive Data (+)	RDA (RD+)	RS-422/485 Receive Data (+)	D+	RS-485 Data (+)
2	RD (RxD)	RS-232C Receive Data	RD (RxD)	RS-232C Receive Data	D-	RS-485 Data (-)
3	SD (TxD)	RS-232C Send Data	SD (TxD)	RS-232C Send Data	SG	Signal Ground
4	RDB (RD-)	RS-422/485 Receive Data (-)	RDB (RD-)	RS-422/485 Receive Data (-)	-	-
5	SG	Signal Ground	SG	Signal Ground	-	-
6	SDA (SD+)	RS-422/485 Send Data (+)	SDA (SD+)	RS-422/485 Send Data (+)	-	-
7	VCC	+5V, 0.2A	RTS	RS-232C Request to send	-	-
8	VCC GND	Power Ground	CTS	RS-232C Clear to send	-	-
9	SDB (SD-)	RS-422/485 Send Data (-)	SDB (SD-)	RS-422/485 Send Data (-)	-	-

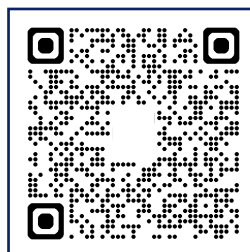
Accessories

Part Number	USB-301A
Description	USB Programming Cable

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