

iRis HMI Plus - ATEX Series



Technical Datasheet

Hardware Features

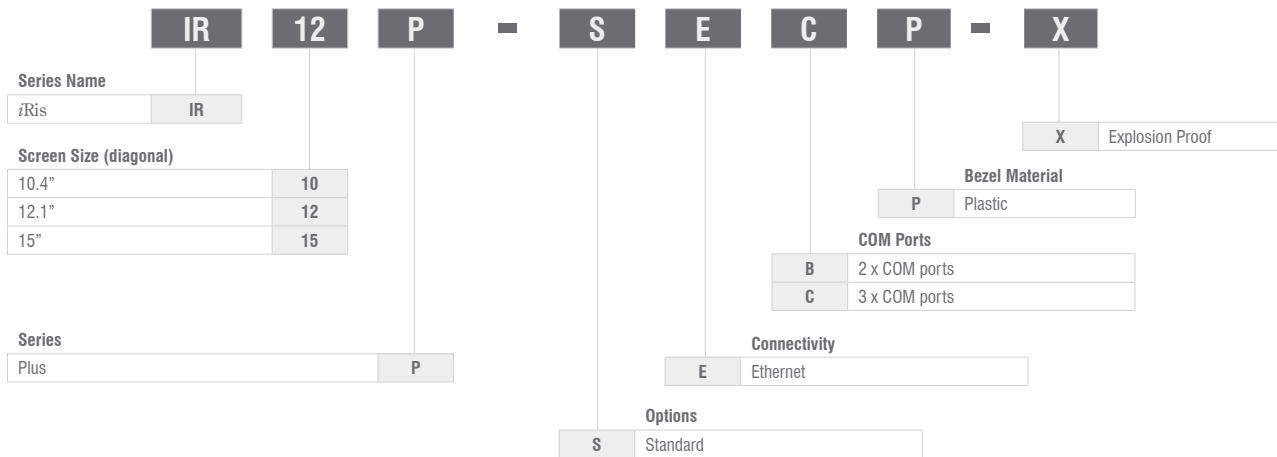
- Quad core CPU
- 16M full colour
- Multiple display options
- Up to two USB ports, 1 x SD Card
- Data logging and backup
- IP65 rated
- Up to two Ethernet port
- Up to two serial ports
- ATEX Approved

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



Specifications

Part Number	IR10P-SECP	IR12P-SECP	IR15P-SECP
Size	10.4" TFT	12.1" TFT	15" TFT
Resolution / Colours	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	RS-485. Connector: 3-Pin Screw Terminals		
Ethernet	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	UKCA, CE, UL/cUL, IECEx, ATEX		
IP Rating	IP65		
Input Voltage	24VDC (20-28VDC)		
Power Consumption	12W	15W	18W

Specifications cont.

Part Number	IR10P-SECP	IR12P-SECP	IR15P-SECP
Operating Temperature	-10°C to +50°C (-14°F to +122°F)		
Net Weight	1.68kg (3.70lbs)	2.18kg (4.81lbs)	2.78kg (6.13lbs)
External Dimensions	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	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 (-)	-	-

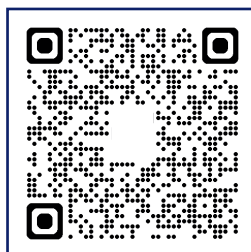
Accessories

Part Number	USB-301A
Description	USB Programming Cable

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