

iRis HMI - Mobile Series - Wired



Technical Datasheet

Hardware Features

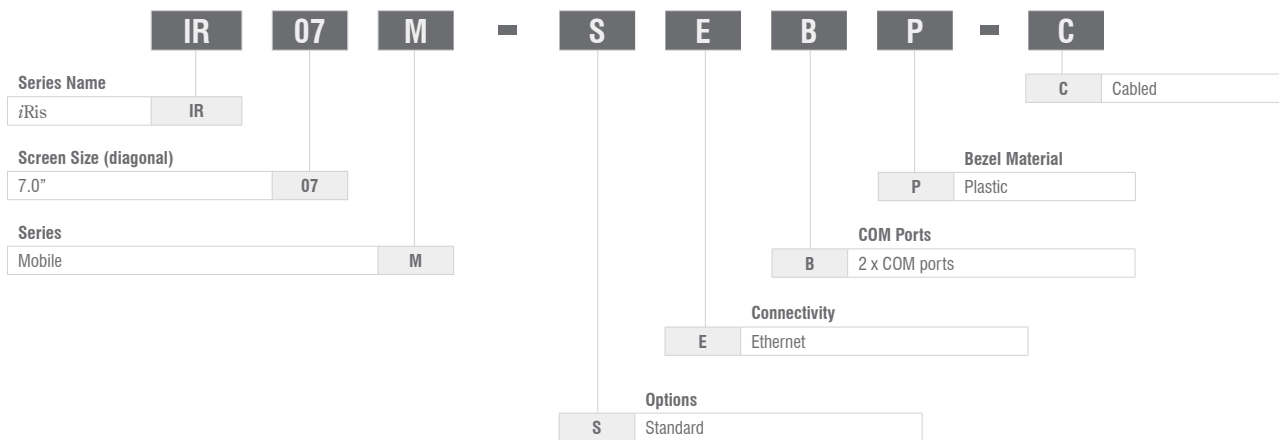
- Handheld HMI
- Quad Core CPU
- 16M Full Colour
- Up to three USB ports, 1 x SD Card
- IP65 rated
- One Ethernet port
- Up to two serial ports
- Easy integration via interface module
- Integrated dead man's switch
- Integrated Emergency Stop button
- Secure access via key lockout

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



Options & Ordering Codes



Product Code	Description
IR07M-SEBP-C	iRis Mobile - Wired

iRis HMI - Mobile Series - Wired



Specifications

Technical Datasheet

Function	Description	IR07M-SEBP-C
Display	Display Type	7" TFT Color
	Color	16M Colors
	Display Area	154.21 x 85.92mm (6.07 x 3.38 in)
	Resolution	1024 x 600
	Brightness Level	10 Levels (by software)
	Backlight Type	LED
	Backlight Life	> 50,000 hours
Touch	Touch Type	Resistive
	Touch Life	> 1 million
Interface	Serial COM	RS-232C, RS-422/485
	Ethernet	IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX
	USB Host	USB 2.0 Compatible, Support: USB Storage, USB Barcode Scanner, Connector: USB Type A x 2
	USB OTG	USB 2.0 Compatible, Support: USB Storage, USB Barcode Scanner, Connector: USB Mini-B x 1
	SD Card	1 x SDHC (MAX 32GB)
	Function Key	6 Positions with LED
	Printer	Roll Printer (EPSON protocol)
	Mechanical Switches	Emergency Switch 1A-2B, Keylock Switch 1A, 3 Position enable Switch OFF-ON-OFF (2CH)
	Power Switch	Push-Lock power on-off switch built in
	Cable Options	Cable options are 5M and 10M
Memory & Others	Screen Memory	128MB
	Backup Memory	512KB: System buffer (10K Word), including Alarm/Logging/Recipe
	Backup Period	Permanent
	Real Time Clock	Built-in
	Status LED	3 LEDs (Power, Operation, Link) Built-in
Power	Consumption	20W
Environment	Operating Temperature	-10 ~ +45°C (14 ~ 113°F)
	Storage Temperature	-20 ~ +60°C (-4 ~ 140°F)
	Operating Humidity	0 ~ 90% RH (No dew)
	Atmosphere	No corrosive gas
	Vibration Endurance	Amplitude $10 \leq f < 25\text{Hz}$ (2G) X, Y, Z each direction (for 30 minutes)
	Noise Immunity	1000Vp-p (Pulse width 1μs)
	Static Electricity Discharge	Connective discharge from EN61000-4-2: ±4kV
	Shock Endurance	10G X, Y, Z each direction (x3)
	Ground Connection	Class 3 (100Ω under)
	Protection Classification	IP4X
Construction	Certification	UKCA, CE, UL/cUL
	External Dimension	237 x 205 x 103mm (9.33 x 8.07 x 4.05 in)
	Weight	1.1kg (2.43lbs) Excluding Cable Pack
	Cooling System	Natural air circulation
	Bezel Material	Polycarbonate (Flame Resistant)

Accessories

Product Code	Description
IRM-IM	Interface Module
IRM-DST-CBL-05	Cable 5M
IRM-DST-CBL-10	Cable 10M

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Hardware Features

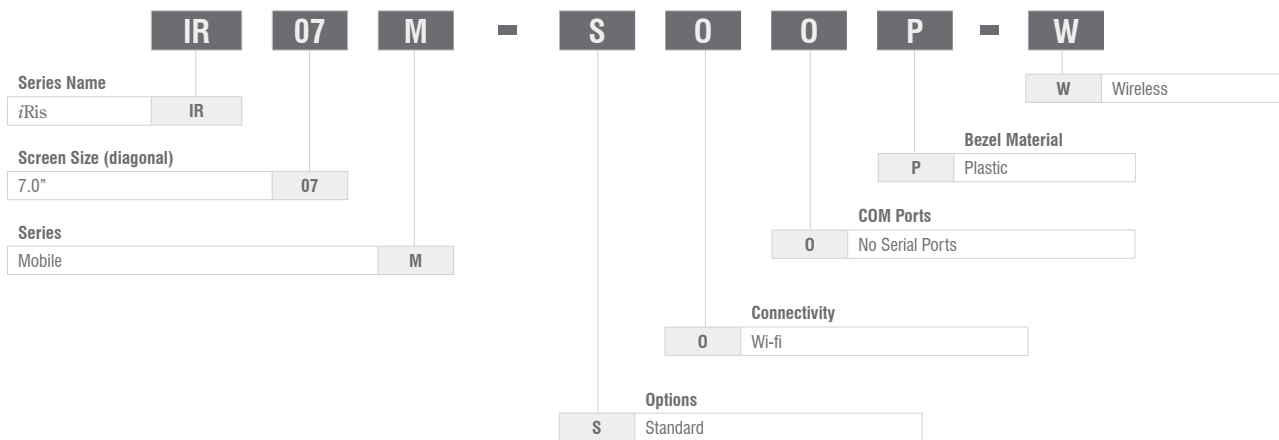
- Handheld HMI
- Quad Core CPU
- 16M full colour
- Wi-fi support
- Up to three USB ports, 1 x SD card
- Integrated dead man's switch
- Secure access via key lockout

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



Options & Ordering Codes



Product Code	Description
IR07M-SOOP-W	iRis Mobile - Wireless

iRis HMI - Mobile Series - Wireless



Specifications

Technical Datasheet

Function	Description	IR07M-S00P-W
Display	Display Type	7" TFT Colour
	Colour	16M Colours
	Display Area	154.21 x 85.92mm (6.07 x 3.38 in)
	Resolution	1024 x 600
	Brightness Level	10 Levels (by software)
	Backlight Type	LED
	Backlight Life	> 50,000 hours
Touch	Touch Type	Resistive
	Touch Life	> 1 million
Interface	Wireless LAN	2.4G: 2.4000GHz~2.4835GHz. 5G: 5.150GHz-5.725GHz. WLAN Standard: IEEE802.11 a/b/g/n. Operation Range: Up to 150 meters in open space. Security: WEP, TKIP/AES, WPA, WPA2
	USB Host	USB 2.0 Compatible. Support: USB Storage, USB Barcode Scanner. Connector: USB Type A x 2
	USB OTG	USB 2.0 Compatible. Support: USB Storage, USB Barcode Scanner. Connector: USB Mini-B x 1
	SD Card	1 x SDHC (MAX 32GB)
	Function Key	6 Position with LED
	Mechanical Switches	Keylock Switch 1A, 3 Position enable Switch OFF-ON-OFF (1CH)
	Power Switch	Push-Push power on-off switch built in
Memory & Others	Screen Memory	128MB
	Backup Memory	512KB: System buffer (10K Word), Including Alarm/Logging/Recipe
	Backup Period	Permanent
	Real Time Clock	Built-in
	Status LED	3 LEDs (Power, Operation, Link) Built-in
Battery	Rechargeable & Extractable Battery Pack	2S-2P Li-ion 4 Cells 7.2Vdc 6800mAh. Charging time 3 hours (Non-operating). Running time: 7 hours with wireless communication
Power	Consumption	20W (In Battery Pack)
Environment	Operating Temperature	-10 ~ +45°C (14 ~ 113°F)
	Storage Temperature	-20 ~ +60°C (-4 ~ 140°F)
	Operating Humidity	0 ~ 90% RH (No dew)
	Atmosphere	No corrosive gas
	Vibration Endurance	Amplitude $10 \leq f < 25\text{Hz}$ (2G) X, Y, Z each direction (for 30 minutes)
	Static Electricity Discharge	Connective discharge from EN61000-4-2: $\pm 4\text{kV}$
	Shock Endurance	10G X, Y, Z each direction (x3)
	Protection Classification	IP65
	Certification	UKCA, CE, UL/cUL
Construction	External Dimension	237 x 205 x 103mm (9.33 x 8.07 x 4.05 in)
	Weight	1.32kg (2.91lbs) Including Battery Pack
	Cooling System	Natural air circulation
	Bezel Material	Polycarbonate (Flame Resistant)

Accessories

Product Code	Description
IRM-DST	Docking Station
IRM-BAT	Spare Battery