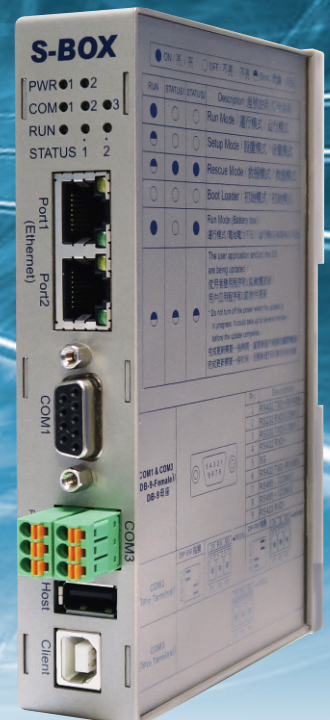
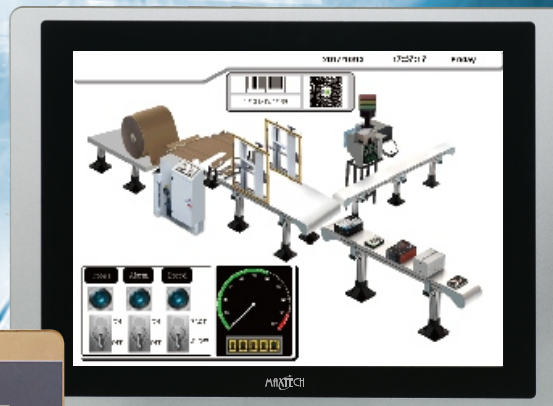
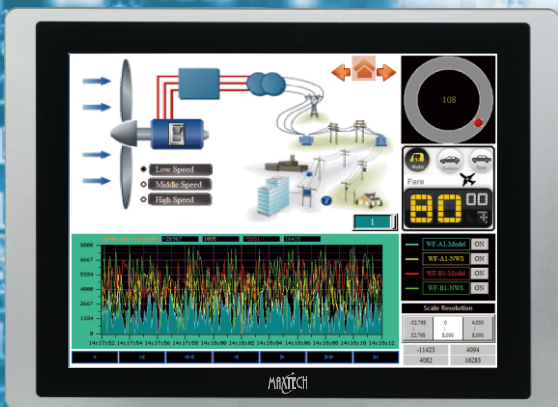


The economic and express solution for your data intensive high - end HMI applications



Maxtech Human Machine Interface Maxtech 人機介面

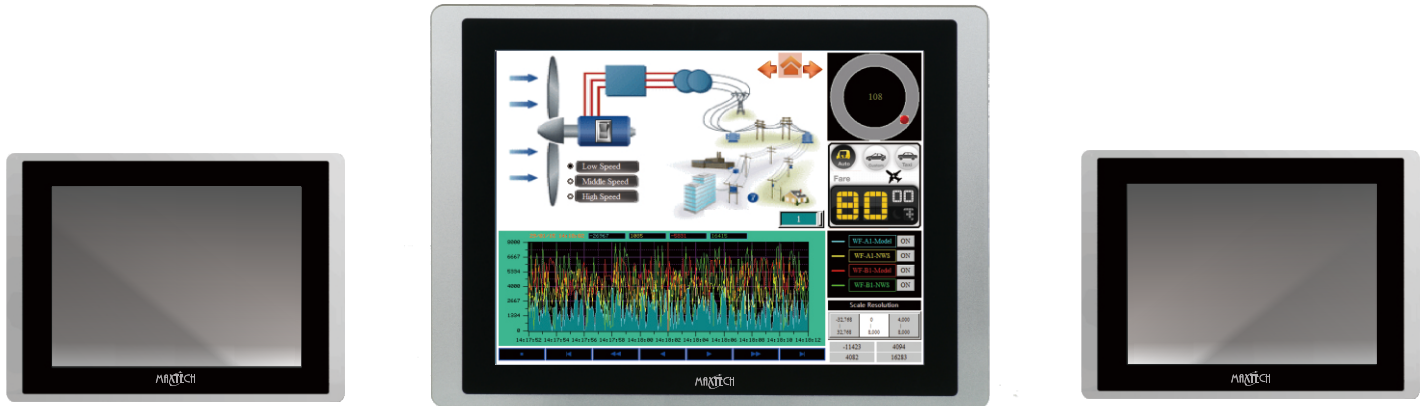
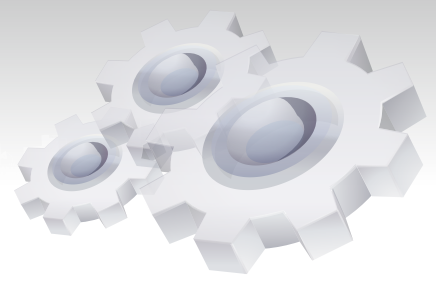
Ideal interface, Wise choice 理想的介面 明智的選擇

Maxtech Designer human-machine editing software allows you to easily make an editing plan and meet different operational requirements

極大設計 人機編輯軟體，讓您輕鬆編輯規劃、滿足不同操作需求

- ① Simple planning process.
簡潔的規劃流程。
- ① Intuitive design concept.
直觀的設計理念。
- ① Numerous operation objects.
豐富的操作物件。
- ① Greatly increase design efficiency.
大幅提升設計效率。

MK2 Ethernet 網路型系列



HMI with Ethernet port 網路型機種

VNC Remote Monitoring / FTP File transfer function /
E-mail sending / Alarm function

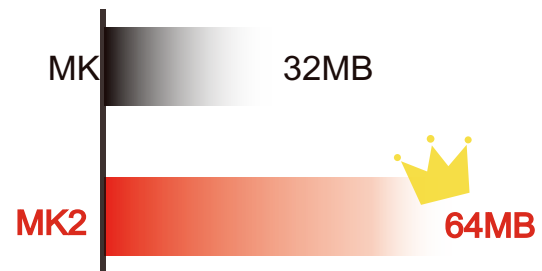
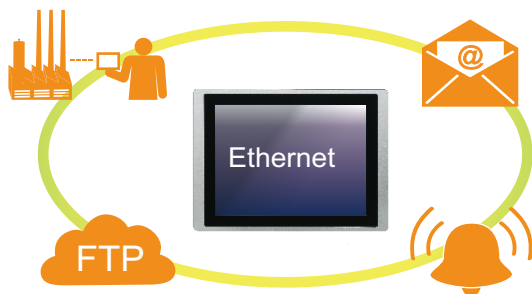
支援VNC遠端操作/FTP檔案傳輸/寄發郵件/警報系統

Double Working Memory

程序容量/ 工作記憶體 2 倍

MK2 series has 2 times working memory &
Storage memory more than MK series

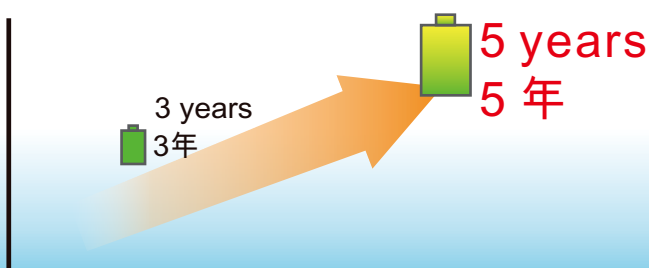
MK2較MK有2倍的程式容量以及工作記憶體



Longer Battery Life 電池壽命加長

MK2 series with 2 years longer battery life than MK series

MK2較MK電池壽命加長 2 年



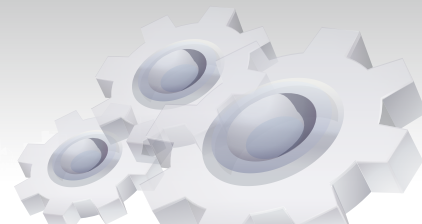
12-24V Isolated Power Supply +
Isolated and protected
communication

12-24V隔離式電源 +
通訊隔離保護設計



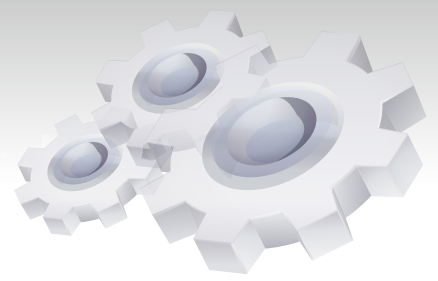


Specifications



Model Name 型 號	MK2043-31ST	MK2070-31ST	MK2100-31ST
Products 產 品 圖			
View Size 顯示尺寸	4.3吋	7.0吋	10.1吋
Display Type 顯示類型	TFT LCD with LED Backlight , 65536 Colors TFT 彩色觸控屏幕(LED背光), 65536色		
Backlight Life (hr) 背光壽命	20,000		
Display Luminance 液晶顯示亮度	350 (cd/m²)	350 (cd/m²)	250(cd/m²)
Max. Resolution 解析度	480*272	800*480	1024*600
CPU 中央處理器	RISC ARM9 32Bit		
Touch Panel 觸控螢幕	4-wire Analog Resistive Type 4線電阻式		
Battery Backup SRAM 電池備份記憶體	128KB (optional: 1MB)		
Working Memory 工作記憶體	64MB		
AP Max Size for Memory 應用程序記憶體	64MB		
Data File Memory 數據記憶體	64MB		
Data File Memory 萬年曆	YES (Unchargeable Battery type, 5 years battery life) 有 (一次性電池，待機時間最少5年)		
Quantity for SCADA 畫面數量	Maximum: 30 Pages 最大畫面數：30頁		
Quantity for Macro Commands 巨集指令	Unlimited 無限制		
Micro SD Slot	無		
USB Client	YES (USB 2.0)		
USB Host	YES (USB 2.0)		
COM1	RS232 (5-Pin Terminal)	RS232 (DB9)	
COM2	RS422/485 (5-Pin Terminal)	RS422/485 (DB9)	
COM3	RS485 (5-Pin Terminal)	RS485 (DB9)	
COM4	N/A	RS485 (5-Pin Terminal)(optional 可選購)	
COM5	N/A	RS485 (5-Pin Terminal)(optional 可選購)	
Ethernet 乙太網路	YES		
Front Function Keys前置功能鍵	N/A	F1~F6 (optional 可選購)	F1~F7 (optional 可選購)
Audio out 音訊輸出(optional可選購)	N/A		
Video in 視訊輸入(optional可選購)	N/A		
Front USB Host Port 前置USB主端	N/A	N/A (optional 可選購)	
Power Supply Voltage 輸入電壓	24VDC±10% Isolated (隔離式)		
Power Consumption 消耗功率	10W	20W	
Operating Temp. 操作溫度	-10°C~60°C		
Relative Humidity 相對濕度	10%~90%		
Shock (Operation) 震動 (操作)	10 ~ 55Hz (X, Y, Z direction, 1G, 30 Mins shock testing) 10 ~ 55Hz (X,Y,Z 三軸向, 1G, 30分鐘震動測試)		
EMI	FCC Part 15 Class A		
CE	EN61000-6-2, EN61000-6-4		
Ingress Protection 前面板防護等級	IP65		
Cooling 冷卻方式	Natural Cooling 自然冷卻		
Dimensions 面板尺寸 WxHxD (mm)	129.0 x 103 x 33	203.5 x 148.5 x 35	270.8 x 212.8 x 40.5
Cutout Dimensions 開孔尺寸(mm)	118.5 x 92.5	191.5 x 138	259.5 x 201.5
Net Weight 淨重(Kg)	0.23	0.55	1.1

MK2 Serial 串列 系列

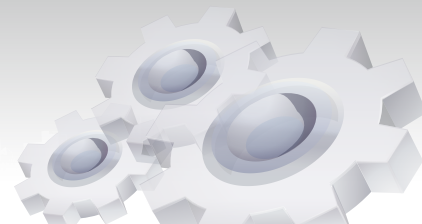


- Better Working Efficiency, Runs 1 time faster
運作效能更快1倍
- Fast boot up, Boots up 2 times faster
立即開機高速2倍
- 70% Lower Power Consumption
消耗功率更低70%





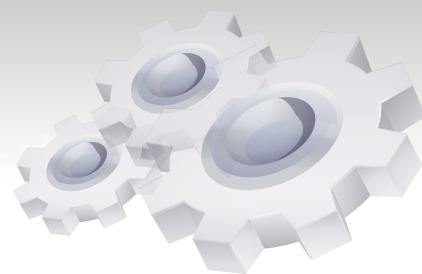
Specifications



Model Name 型 號	MK2043-20ST	MK2070-30ST	MK2100-30ST
Products 產 品 圖			
View Size 顯示尺寸	4.3吋	7.0吋	10.1吋
Display Type 顯示類型	TFT LCD with LED Backlight , 65536 Colors TFT 彩色觸控屏幕(LED背光), 65536色		
Backlight Life (hr) 背光壽命	20,000		
Display Luminance 液晶顯示亮度	350 (cd/m²)	350 (cd/m²)	250(cd/m²)
Max. Resolution 解析度	480*272	800*480	1024*600
CPU 中央處理器	RISC ARM9 32Bit		
Touch Panel 觸控螢幕	4-wire Analog Resistive Type 4線電阻式		
Battery Backup SRAM 電池備份記憶體	128KB (optional: 1MB)		
Working Memory 工作記憶體	64MB		
AP Max Size for Memory 應用程序記憶體	64MB		
Data File Memory 數據記憶體	64MB		
Data File Memory 萬年曆	YES (Unchargeable Battery type, 5 years battery life) 有 (一次性電池，待機時間最少5年)		
Quantity for SCADA 畫面數量	Maximum: 30 Pages 最大畫面數：30頁		
Quantity for Macro Commands 巨集指令	Unlimited 無限制		
Micro SD Slot	無		
USB Client	YES (USB 2.0)		
USB Host	YES (USB 2.0)		
COM1	RS232 (5-Pin Terminal)	RS232 (DB9)	
COM2	RS422/485 (5-Pin Terminal) (optional)	RS422/485 (DB9)	
COM3	RS485 (5-Pin Terminal)	RS485 (DB9)	
COM4	N/A	N/A	
Ethernet 乙太網路	N/A		
Front Function Keys前置功能鍵	N/A	F1~F6 (optional 可選購)	F1~F7 (optional 可選購)
Audio out 音訊輸出(optional可選購)	N/A		
Video in 視訊輸入(optional可選購)	N/A		
Front USB Host Port 前置USB主端	N/A	N/A (optional 可選購)	
Power Supply Voltage 輸入電壓	12V~24VDC±10%	12V~24VDC±10% / optional 可選購：24VDC±10% Isolated (隔離式)	
Power Consumption 消耗功率	2W	3W	3.5W
Operating Temp. 操作溫度	-10°C~50°C(optional 可選購 -30°C~70°C)		
Relative Humidity 相對濕度	10%~90%		
Shock (Operation) 震動 (操作)	10 ~ 55Hz (X, Y, Z direction, 1G, 30 Mins shock testing) 10 ~ 55Hz (X,Y,Z 三軸向, 1G, 30分鐘震動測試)		
EMI	FCC Part 15 Class A		
CE	EN61000-6-2, EN61000-6-4		
Ingress Protection 前面板防護等級	IP65		
Cooling 冷卻方式	Natural Cooling 自然冷卻		
Dimensions 面板尺寸 WxHxD (mm)	129.0 x 103 x 33	203.5 x 148.5 x 35	270.8 x 212.8 x 40.5
Cutout Dimensions 開孔尺寸(mm)	118.5 x 92.5	191.5 x 138	259.5 x 201.5
Net Weight 淨重(Kg)	0.23	0.55	1.1

MT2 Series

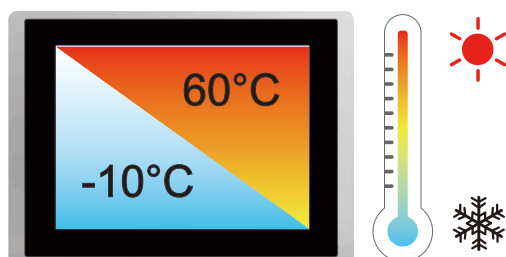
MT2 系列



Wide Operating Temperature 寬溫操作

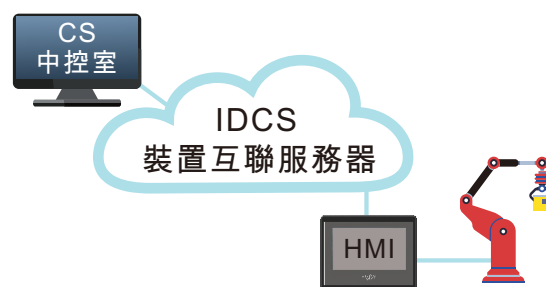
Keeps high working performance even in bad environment, fits any weather condition

操作環境惡劣亦能維持高性能，適合各地天氣不受限



Support Cloud Servers

支持雲端服務



LCD Backlight is 130% higher 背光亮度更高130%

Compare with MT series, MT2 series is with higher Definition and Brightness, Visibility increase substantially even in the outdoor condition with glare of the sun
即使面對戶外強光，對比一代機型，畫面更加清晰鮮明，可視度大幅提升



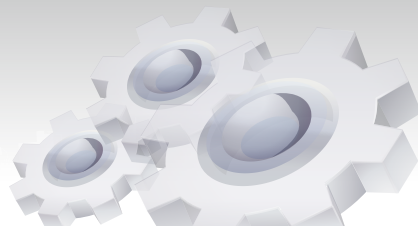
IP66防護等級

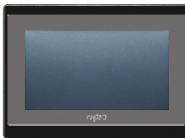
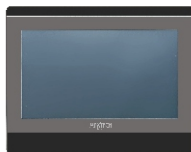
No ingress of dust; complete protection against contact (dust tight)

Powerful water jets: Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction shall have no harmful effects
灰塵無法進入，完全防止接觸
從強力噴嘴（12.5毫米）射出的加壓水柱
從任意角度噴射到設備外殼上應無負面效果



Specifications



Model Name 型 號	MT2043-41ST	MT2070-51ST	MT2100-51ST
Products 產 品 圖			
View Size 顯示尺寸	4.3吋	7.0吋	10.2吋
Display Type 顯示類型	TFT LCD with LED Backlight , 65536 Colors TFT 彩色觸控屏幕(LED背光), 65536色		
Backlight Life (hr) 背光壽命	20,000		
Display Luminance 液晶顯示亮度	350 (cd/m²)	350 (cd/m²)	200(cd/m²)
Max. Resolution 解析度	480*272	800*480	1024*600
CPU 中央處理器	RISC ARM9 32Bit		
Touch Panel 觸控螢幕	4-wire Analog Resistive Type 4線電阻式		
Battery Backup SRAM 電池備份記憶體	128KB (optional: 1MB)		
Working Memory 工作記憶體	64MB		
AP Max Size for Memory 應用程序記憶體	64MB		
Data File Memory 數據記憶體	64MB		
Data File Memory 萬年曆	YES (Unchargeable Battery type, 5 years battery life) 有 (一次性電池，待機時間最少5年)		
Quantity for SCADA 畫面數量	Maximum: 30 Pages 最大畫面數：30頁		
Quantity for Macro Commands 巨集指令	Unlimited 無限制		
Micro SD Slot	無		
USB Client	YES (USB 2.0)		
USB Host	YES (USB 2.0)		
COM1	RS232 (5-Pin Terminal)	RS232 (DB9)	
COM2	RS485 (5-Pin Terminal)	RS422/485 (DB9)	
COM3	RS485 (5-Pin Terminal)	RS485 (DB9)	
COM4	RS485 (5-Pin Terminal)	RS485 (5-Pin Terminal)	
COM5	N/A	RS485 (5-Pin Terminal)	
Ethernet 乙太網路	YES		
Front Function Keys前置功能鍵	N/A	F1~F6 (optional 可選購)	F1~F7 (optional 可選購)
Audio out 音訊輸出(optional可選購)	N/A		
Video in 視訊輸入(optional可選購)	N/A		
Front USB Host Port 前置USB主端	N/A	N/A (optional 可選購)	
Power Supply Voltage 輸入電壓	24VDC±10% Isolated (隔離式)		
Power Consumption 消耗功率	10W	20W	
Operating Temp. 操作溫度	-10°C~60°C		
Relative Humidity 相對濕度	10%~90%		
Shock (Operation) 震動 (操作)	10 ~ 55Hz (X, Y, Z direction, 1G, 30 Mins shock testing) 10 ~ 55Hz (X,Y,Z 三軸向, 1G, 30分鐘震動測試)		
EMI	FCC Part 15 Class A		
CE	EN61000-6-2, EN61000-6-4		
UL	YES (UL61010)		
Ingress Protection 前面板防護等級	NEMA4 / IP66		
Cooling 冷卻方式	Natural Cooling 自然冷卻		
Dimensions 面板尺寸 WxHxD (mm)	129.0 x 103 x 33	203.5 x 148.5 x 35	270.8 x 212.8 x 40.5
Cutout Dimensions 開孔尺寸(mm)	118.5 x 92.5	191.5 x 138	259.5 x 201.5
Net Weight 淨重(Kg)	0.23	0.55	1.1

Compact Human Machine Interface

精簡型人機介面

Feature:

- 4.3"/ 7"/ 10.2" Wide Screen HMI
- Powerful, Reliable, and Easy-to-configure
- Energy Saving and Eco-friendly
- Low Cost without Compromising Software Features

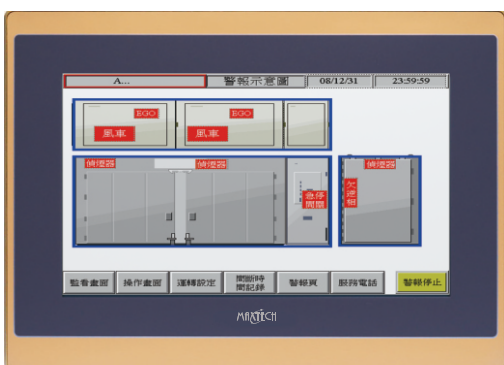
特點:

- 超快2秒開機,超強運算能力,超低電力消耗
- 觸控精準,功能強大,簡單易學
- 節能環保,性價超值,精巧耐用
- 經濟實用型人機最好選擇

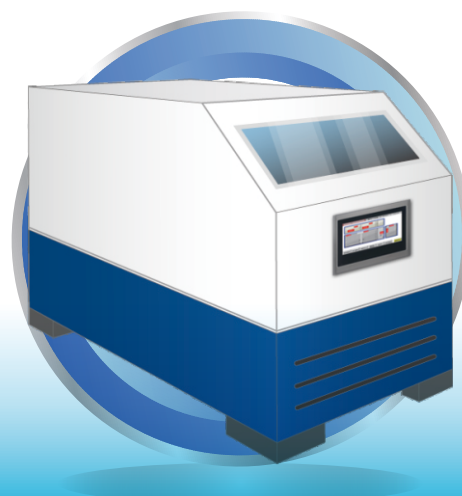
MA2100



MA2070

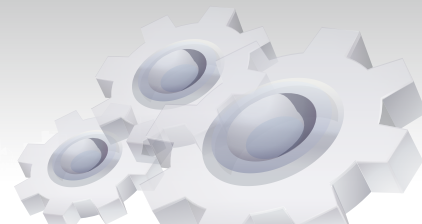


MA2043





Specifications



Model Name 型 號	MA2403		MA2070		MA2100	
Products 產 品 圖						
Sub-models 次型號	20ST / 20FT		30ST / 30FT		30ST / 30FT	
View Size 顯示尺寸	4.3" diagonal		7.0" diagonal		10.2" diagonal	
Display Type 顯示類型	TFT LCD with LED Backlight , 16-bit Colors TFT 彩色觸控屏幕(LED背光), 16-bit Colors					
Backlight Life (hr) 背光壽命	20000					
Display Luminance 液晶顯示亮度	350 (cd/m²)		350 (cd/m²)		250(cd/m²)	
Max. Resolution 解析度	480*272		800*480		1024*600	
CPU 中央處理器	RISC ARM9 32Bit					
Touch Panel 觸控螢幕	4-wire Analog Resistive Type 4線電阻式					
Battery Backup SRAM 電池備份記憶體	128KB (optional: 1MB)					
Working Memory 工作記憶體	64MB					
AP Max Size for Memory 應用程序記憶體	20MB					
Data File Memory 數據記憶體	64MB					
Data File Memory 萬年曆	YES (Unchargeable Battery type, 3 years battery life) 有 (一次性電池，待機時間最少3年)					
Quantity for SCADA 畫面數量	Maximum: 30 Pages 最大畫面數：30頁					
Quantity for Macro Commands 巨集指令	100 Lines 100行					
Micro SD Slot	N/A					
USB Client	YES (USB 2.0)					
USB Host	YES (USB 2.0)					
COM1	RS232					
COM2	N/A		RS422/485			
COM3	RS485 (5Pin Terminal)		RS485 (DB9)			
Ethernet 乙太網路	N/A					
Front Function Keys前置功能鍵(選購)	20ST: N/A, 20FT: YES (F1 ~ F5)		30ST: N/A, 30FT: YES (F1 ~ F6)		30ST: N/A, 30FT: YES (F1 ~ F7)	
Front USB Host Port前置USB主端	N/A (optional 可選購)					
Power Supply Voltage 輸入電壓	24VDC±10% Isolated (隔離式)					
Power Consumption 消耗功率	2W		3W		3.5W	
Operating Temp. 操作溫度	-10°C~50°C (Optional: -30°C~70°C)					
Relative Humidity 相對濕度	10%~90%					
Shock (Operation) 震動 (操作)	10 ~ 55Hz (X, Y, Z direction, 1G, 30 Mins shock testing) 10 ~ 55Hz (X,Y,Z 三軸向, 1G, 30分鐘震動測試)					
EMI	FCC Part 15 Class A					
CE	EN61000-6-2, EN61000-6-4					
Ingress Protection 前面板防護等級	IP65					
Cooling 冷卻方式	Natural Cooling 自然冷卻					
Dimensions 面板尺寸 WxHxD (mm)	129.0 x 103.0 x 26.3		203.5 x 149.0 x 33.0		270.1 x 212.1 x 42.5	
Cutout Dimensions 開孔尺寸(mm)	119.0 x 93.0		192.0 x 138.5		259.5 x 201.5	
Net Weight 淨重(Kg)	0.35		0.65		1.2	

Industrial Data Gateway

工業組態盒

MG32-G2D-U1R1



Industrial Automation
工業自動化



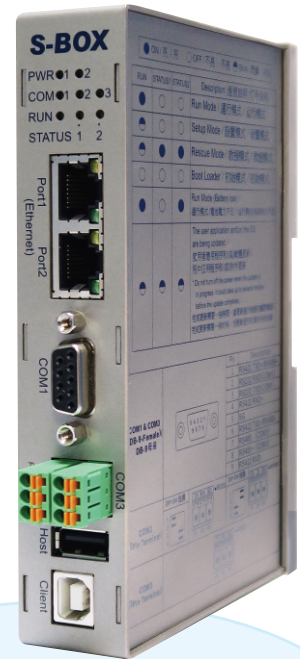
Building Automation
樓宇自動化



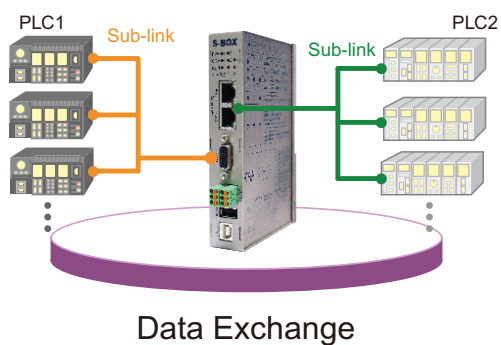
Factory Manufacturing
工廠製造業



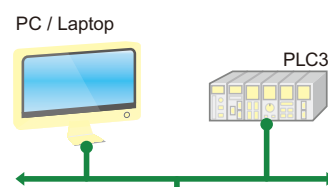
Environmental Control
環境監控



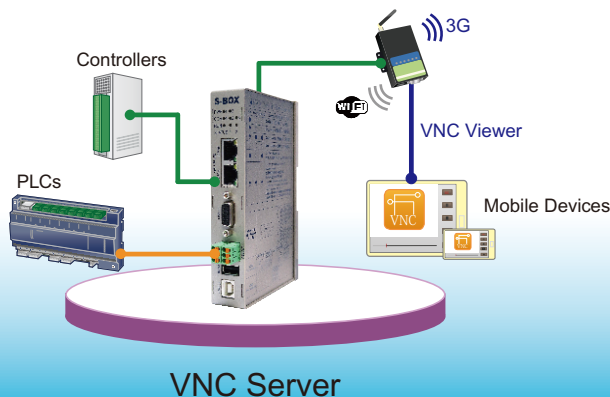
Application



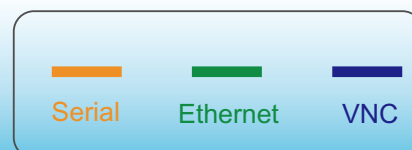
Data Exchange



Gateway Service

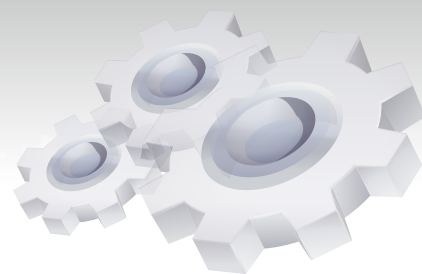


VNC Server





Specifications



CPU & Memory 處理器 & 記憶體	
CPU 中央處理器	RISC ARM9 32Bit
Battery Backup SRAM 電池備份記憶體	128KB
Working Memory 工作記憶體	64MB
Build-in Storage Memory 備份記憶體	8MB
RTC 萬年曆	Yes
Serial Communications 串列埠通訊	
Serial Signals 串列埠信號支援	RS-232: TXD, RXD, SG
	RS-422: TXD+, RXD+, TXD-, RXD-
	RS-485: Data+, Data-, SG
Serial Connector 串列埠類型	Com1: 9Pin-female D-Sub Connector / Com2 & Com3 : 3Pin Terminal Blocks
Data Rate 資料速率	Up to 187.5Kbps
Isolation 訊號隔離	Yes
USB Ports	
USB Host	USB 1.1
USB Client	USB 2.0
Ethernet Communications 乙太網路通訊	
Compatibility 相容性	IEEE 802.3, IEEE 802.3u
Speed 速度	10/100 Mbps
Port Connector 乙太接口	8-Pin RJ45
Isolation 通訊隔離	Yes
Software 軟體	
OS Support 作業系統	RTOS (Real-time O.S.)
Software Version 軟體版本	PM Designer v2.1.2.00 or higher
Reboot Trigger 重啟觸發	Watchdog Timer
Power Supply 電源	
Source 來源	External
Input Voltage 輸入電壓	12-30 VDC, 5W
Connector 電源端子	6Pin-Terminal Blocks
Relay Output Current Carry Capacity 繼電器接點可承受電流	1A@24 VDC
Isolation 電源隔離	Yes
Environment 環境	
Operating Temperature 操作溫度	-20°C~70°C
Storage Temperature 儲藏溫度	-25C~75°C
Humidity 相對濕度	10%~90%
Shock(operation) 耐震性(操作)	10 ~ 55Hz(X,Y,Z direction, 1G, 30 minutes shock test)
Mechanical 硬體	
LED Indicators LED指示燈	PWR1/PWR2/COM1/COM2/COM3/RUN/STATUS1 /STATUS2
Switches 模式切換	Battery Switch / Mode Switch
SD Slot SD卡槽	Yes
Dimensions 尺寸(WxHxD)	29 x 150.3 x 98.6 mm
Enclosure 外殼	Metal
Weight 重量	0.4 Kg
Mounting 掛載	DIN-Rail Mounting/Panel Mounting
Certifications 認證	
Certificate 證書	CE, FCC

