

可编程操作显示器

MONITOUCH

边缘计算 将加速生产现场智能化进程



STANDARD MODEL

Series

边缘(edge)把FA和IT连接起来,而X1系列兼具边缘所要求的连接性和灵活性, 它将加速生产现场的智能化进程。

与IT系统的融合

Microsoft SQL Server

除了可作为生产现场设备操作、监控等的HMI,应用于控制系统之外,它还支持OPC UA、 MQTT连接,可实现FA现场与上级IT系统、云的信息协作。

与MES、ERP等IT系统连接后,可作为FA现场和IT系统的网关,对数据进行处理,有助于数 据的可视化、生产率的提高以及生产管理的优化。

可见性·可操作性提高



通过配备高速CPU、采用高分辨率液晶和PCAP(静电容量)触摸开关,提高了可见性,操作 起来轻快易用。

通过配备矢量方式的渲染引擎,支持矢量绘图,即使放大/缩小元件仍能保持图像质量。 可制作出与显像分辨率无关的、精美的高质量画面。



▮用户应用程序的有效利用 📵 🗐 🏐







装有Windows,因此可在生产现场使用Windows应用程序和用户应用程序。

可由HMI屏幕上的开关轻松启动应用程序,可在现场随意自如地使用这些程序。

通过作为边缘计算,在FA现场和IT之间利用应用程序进行数据收集、加工和分析,有助于 利用数据的生产现场向智能化方向发展。

V系列画面程序的延用

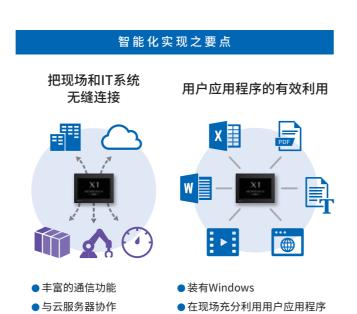


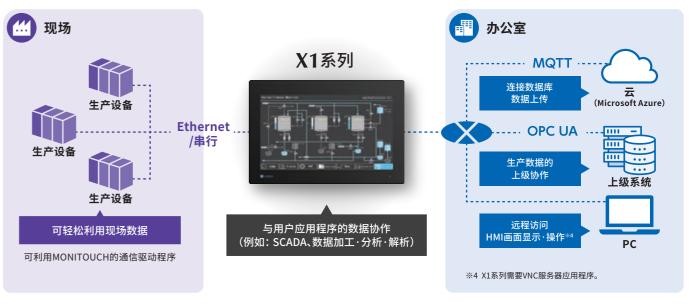
可把V系列中已创建好的现有画面资产转换到X1系列里使用,因此可以把之前的画面资 产延用到X1系列里而不会浪费。画面编辑软件可直接使用以前的V-SFT Ver.6。

延用了MONITOUCH研发的丰富的通信驱动程序,因此无需编程即可与多种设备相连接。

定位



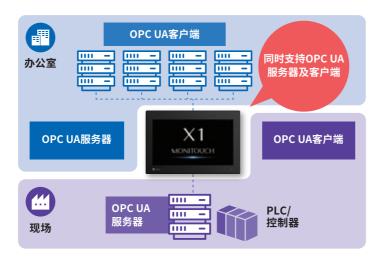




X1系列强力支持通过利用数字数据来实现智能工厂。

支持OPC UA服务器·客户端

- 同时配备OPC UA服务器·客户端两种功能,因此可与办公室和 现场双方协作进行数据采集。
- ●即使现场设备不支持OPC UA,X1系列也可充当OPC UA的网关 发挥作用,与上级OPC UA客户端进行数据传送。
- 通过OPC UA,可实现现场与上级系统之间的协作、设备的标准化。



应用例

工件搬运装置

从现场多个机器汇集数据、通过OPC UA与上级IT系统协作,由此提高了生产率和产品质量,也实现设备的标准化。 机器人作为工厂的自动化工具承担着部分任务,而在装有工业机器人的装置上采用X1系列,将有助于提高机器人的附加价值。



生产管理系统

灯

对不支持OPC UA的现场设备的数据,上级生产管理系统也能进行管理。

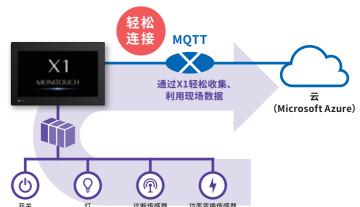
开关

Ethernet

支持云(MQTT)连接

- 可通过MQTT将设备的运行数据、生产数据、状态数据等发送 到云,进行数据的收集和存储,因此有助于工厂可视化发展及 改讲。
- 可与Microsoft Azure平台进行协作。由此可以有效利用云的各种工具、框架等服务。

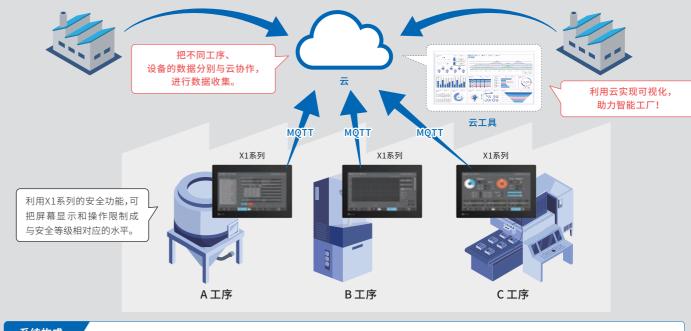


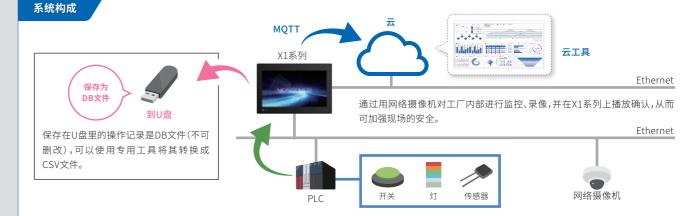


应用例

制药设备

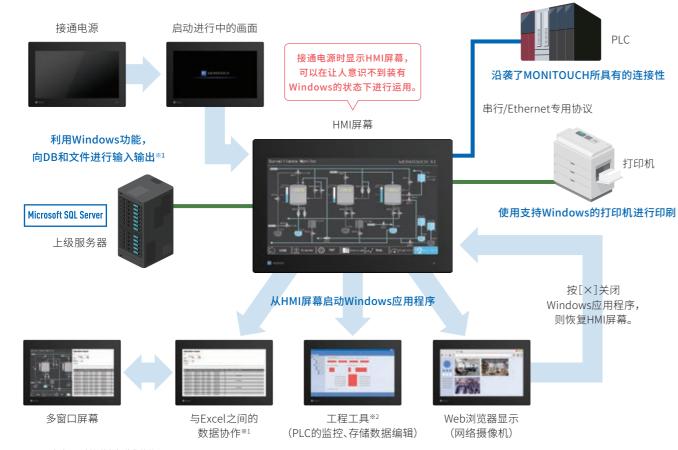
通过连接到云,对所收集的数据进行分析、可视化操作、倾向性把握,从而实现了生产体制的效率优化及改进。同时,通过在需要高度安全管理的制药设备上安装X1系列,有助于确保药品生产中的安全性。





N4

启动·运用图像



- %1需要另备本公司制作的数据收集软件V-Server。
- ※2 需要另备各公司的工程工具。

用户应用程序的有效利用



由于装有Windows,无需将电脑带到生产现场,利用X1系列就可以随心所欲使用Windows应用程序和用户应用程序。可以指定所要启动的应用程序的显示位置和窗口尺寸,所以与X1系列的画面配置相应,显示位置和尺寸可以运用自如。

另外,把现场设置的PC整合到X1系列,将有助于减少电脑的管理工时和占用空间。

X1系列除了具有作为HMI的自身功能之外,还通过安装Windows,同时具有通用性和可扩展性,它将加速生产现场的改进。

标准配备Web浏览器



已标准配备好了Web浏览器,因此可以用X1系列来操作那些利用浏览器的应用程序和IT系统。

通过浏览Web监控系统和网络摄像机等,就可以轻松地对网络上的各种机器进行信息确认和监控。

矢量绘图

矢量绘图可以在保持图像清晰的同时对局部进行放大/缩小,由此可制作出细致讲究的高品质画面。



多屏幕显示

同时显示两个画面,可实现在各自独立的画面上显示和操作。

在外接的大显示器上也可显示不同的画面,也可将X1系列分割为两个部分。

X1系列和显示器均支持横放·竖放(右转90°),因此可根据现场的环境和空间布置版面。

安灯显示器

可将生产计划·实绩等信息显示在HDMI电缆 连接的安灯显示器(大型显示器)上,由此可实 现设备的运转情况可视化和信息共享。

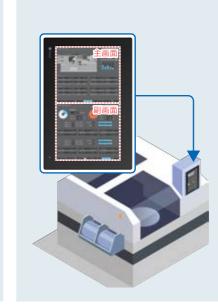
无需准备安灯显示器用的电脑,仅用X1系列即可作为HMI显示和操作,安灯显示器系统本身也可显示。



分割2个画面显示

在X1系列上启动2个X1应用程序(主/副),将 画面分割为左右(横放时)或上下(竖放时),可 非同步进行显示、操作。

同一画面程序和不同画面程序均可显示之外,也支持工程工具为主的用户应用程序的显示,可展示高密度和灵活性的信息。



显示、操作画面的扩展

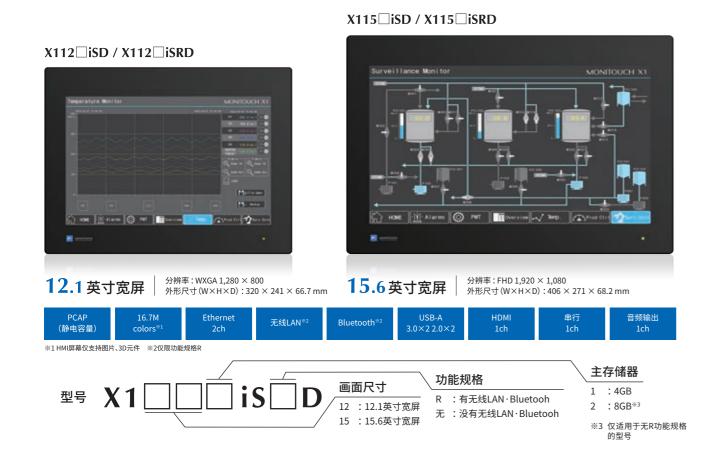
X1系列和显示器的并用,可增加一览无遗的 信息量,提高作业效率。

另外,有触摸开关的显示器和X1用USB电缆相连,即可支持显示器一侧的触摸操作。

1台可实现2台的HMI显示和操作。



装有Windows,并充当FA现场和IT系统的网关而发挥作用。 从而可以在FA现场和办公室、云等IT之间进行通信。



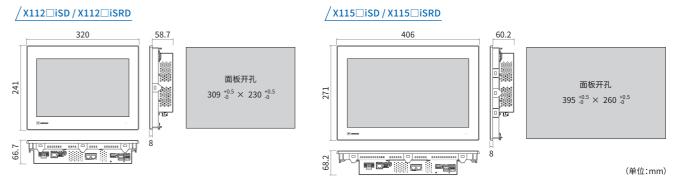
一般规格

	项目	X112□iSD X112□iSRD	X115□iSD X115□iSRD		
	额定电压	DC	24V		
电源	电压允许范围	±10%			
	容许瞬间停电时间	1ms以内			
	消耗功率(最大额定)	41W以下	51W以下		
	冲击电流	24A以下、6ms (环境温度25°C)		
绝缘电阻		DC外部端子和FG间: DC500V、10MΩ以上			
使用环境温度		0~45°C			
	使用环境湿度	85%RH以下 (无结露、最大湿球温度39℃以下)			
	使用高度	海拔2000m以下			
物理环境	使用氛围	无腐蚀性气体,无大量尘埃(无导电性尘埃)			
	保存环境温度	-10~60°C			
	保存环境湿度	85%RH以下 (无结露、最大湿球温度39℃以下)			
	污染度	2	2		
机械运行条件	耐振动	振动频率数:5~9Hz 单向振幅:3.5mm X,Y,Z:3个7			
	耐冲击	最大加速度: 147m/s² (15G)、X	,Y,Z:3个方向 各3次(计18次)		
抗干扰 电气运行条件		干扰电压:1000Vp-p、脉冲中 依据干抗	幅:1μs、脉冲上升时间:1ns 尤模拟器		
	耐静电放电	接触6kV、空气中8kV			
	接地	D种接地(第3种接地) FG/SG在X1主机内部连接			
	保护构造	安装方法: 面板嵌入安装			
安装条件	冷却方式	自然空冷			
	外形尺寸 W×H×D(mm)	320 × 241 × 66.7 mm	406 × 271 × 68.2 mm		
	面板开孔尺寸 W×H(mm)	309 × 230 mm	395 × 260 mm		
	质量	约3.2kg	约3.9kg		
外壳	颜色	黑色			
71元	材质	PBT+GF30树脂(正面部分)			

接口 为实现边缘计算,配备有充足的接口。



外形图/面板开孔尺寸



性能规格

	項目	X112□iSD	X112□iSRD	X115□iSD	X115□iSRD	
	处理器	Intel Atom* x5-E3940				
硬件	Core数/thread数	4/4				
使计	主存储器	□:1 4GB □:2 8GB				
	内置存储器	SSD(3D NAND): 64GB (自由空间30GB)				
软件	os	Windows 10 IoT Enterprise 2019 LTSC (64bit)				
	显示设备	TFT彩色				
	分辨率	WXGA: 1,280 × 800 FHD: 1,920 × 1,080				
	画面尺寸	12.1英寸宽屏 15.6英寸宽屏				
显示部规格	显示颜色	1,677万色 (HMI屏幕仅支持图片、3D元件)				
	对比度系数	1,000:1				
	背光灯	LED				
	背光灯寿命	约50,000小时				
触摸开关		PCAP(静电容量方式)				
	Ethernet(RJ-45)×2	10BASE-T/100BASE-TX/1000BASE-T				
	串行端口(RJ-45)×1	起止同步式:RS-232C/RS-422/RS-485 (可转换) 数据长:7、8位 奇偶:偶数、奇数、无 停止位:1、2位 传送速度:4800、9600、19200、38400、57600、76800、115200bps				
外部接口	USB-A Ver. 3.0 ×2	支持Ver.3.0 (低速1.5Mbps、全速12Mbps、高速480Mbps、超高速5.0Gbps)				
ア。中女口	USB-A Ver. 2.0 ×2	支持Ver.2.0 (低速1.5Mbps、全速12Mbps、高速480Mbps)				
	音频输出(AUDIO)×1	φ3.5立体声小型插孔、行输出				
	无线LAN(WLAN)	-	1 × WLAN IEEE 802.11 ac/a/b/g/n	-	1 × WLAN IEEE 802.11 ac/a/b/g/n	
	Bluetooth	-	$1 \times Bluetooth$	-	$1 \times Bluetooth$	
	НДМІ	1,280 × 800 1,920 × 1,080		1,080		
时钟	备份期间	3年 (环境温度25℃)				
	CE记号	对应				
	UKCA	对应**				
适用规格	UL·cUL	对应				
	КС	对应				
	电波法**5	日本:MIC、美国:FCC、加拿大:ISED、欧洲:RED、韩国:KC、台湾: NCC				
※4 硬件Ver.b以上	※5 仅适用于支持无线局域网的型号					

画面编辑软件

操作简单易懂,可实现更精美的作画。



V-SFT Ver. 6

电脑	Windows操作的PC / AT兼容机
	Windows Vista(32bit, 64bit)/Windows 7(32bit, 64bit)/
OS*	Windows 8(32bit, 64bit)/Windows 8.1(32bit, 64bit)/
	Windows 10(32bit, 64bit)/Windows11(64bit)
CPU	推荐Pentium 4 2.0GHz以上
内存	1.0GB以上(推荐2.0GB以上)
硬盘	安装时: 4.0GB以上
磁盘装置	DVD-ROM驱动器
显示器	分辨率1024×768(XGA)以上
显示颜色	High Color (16位)以上
	Microsoft .NET Framework 4.0或4.5
其他	(没安装 .NET Framework 4.0 或4.5的电脑自动
	安装Framework 4.0。)

* 安装时需要有Administrator权限。

标准配备矢量方式的SVG元件

因为标准配备了支持矢量方式的SVG元件,即使放大/缩小元件,也能保持绘图质量, 所以可以轻松创建精美的高质量画面。







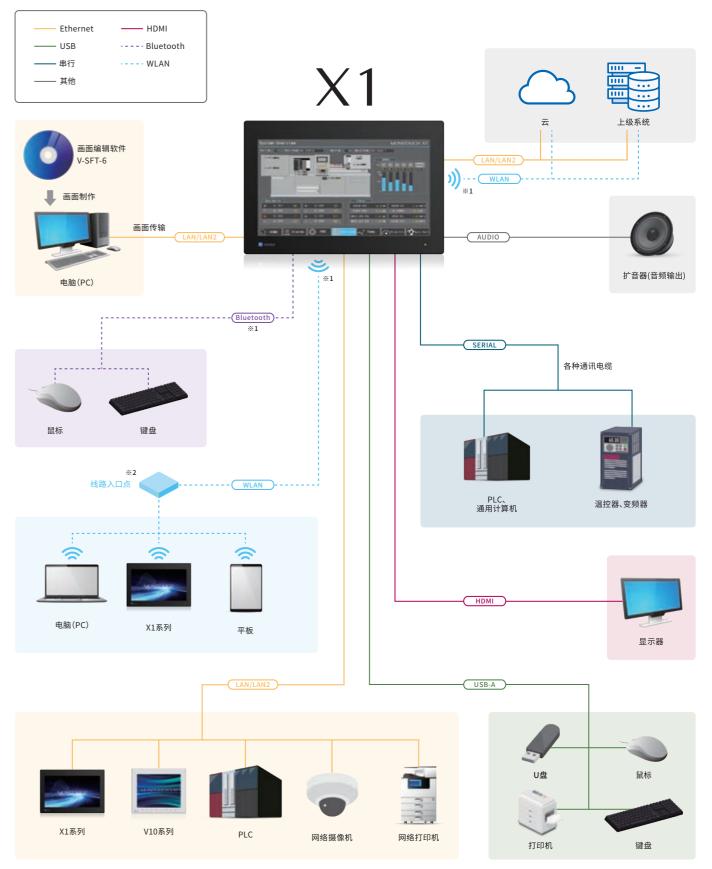
产品一览

型号 画面尺寸		分辨率	规格			
¥5	空号 画面八寸	刀拼举	触摸开关	主存储器	无线LAN	Bluetooth
X1121iSD				4GB	×	×
X1121iSRD	12.1英寸宽屏	1,280 × 800	PCAP (静电电容方式)	4GD	0	0
X1122iSD				8GB	×	×
X1151iSD	15.6英寸宽屏	1,920 × 1,080		4GB	×	×
X1151iSRD					0	0
X1152iSD				8GB	×	×

附件一览

型号	概要
V-SFT-6	MONITOUCH用画面编辑软件 Ver.6
X1-BT	X1系列更换用锂电池
X1-SS	X1系列专用安全软件

系统构成



- ※1 仅限具有无线LAN的类型
- ※2需要线路入口点

10

具有卓越的连接性能,可与多个机器同时进行连接并进行数据传送。

连接机器一览(PLC)

MICREX_Ferries VI Compable SPB IN Mode) & FLEX_PC series SPB IN MODE_PC series	mens ONIA TECHNOLOGY	X8 series (Ethernet) PCD S-BUS (Ethernet) SPC series N_plus SECNET JW series JW100/70H COM port JW20 COM port JW300 series (Ethernet) JW300 series JW311/312/321/322 series (Ethernet) JW331/332/341/342/352/362 series (Ethernet) S5 PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) LOGO! (Ethernet ISOTCP) T5-1200/1500 Tag (Ethernet ISOTCP) T5-1200/1500 Tag (Ethernet ISOTCP) T5-1200/1500 Sethernet ISOTCP) T5-1200/1500 Tag (Ethernet ISOTCP)
MICREMONEST Series NA Compatible SPB IN Mode) & FLEMPC series SPB IN Mode) &	ONIA TECHNOLOGY CO Electric and chinery SHIBA BAURA	PCD S-BUS (Ethernet) SPC series N_plus SECNET JW series JW100/70H COM port JW20 COM port JW300 series JW311/312/321/322 series (Ethernet) JW301 series JW311/312/321/322 series (Ethernet) JW331/332/341/342/352/362 series (Ethernet) SP PG port SP S
SPB N Mode) & FLEXPC CPU MICREX SX SPH-SPB-SPM-SPE-SPF series MICREX SX SPH-SPB-SPM-SPE-SPF series MICREX SX SPH-SPB-SPM-SPE-SPF CPU MICREX SX SPH-SPB-SPM-SPE-SPF CPU MICREX SX SPH-SPB-SPM-SPE-SPF CPU MICREX SX (Ethernet) PLC-5	ONIA TECHNOLOGY CO Electric and chinery SHIBA BAURA	N_plus SECNET JW series JW100/70H COM port JW20 COM port JW20 COM port JW300 series JW311/312/321/322 series (Ethernet) JW331/332/341/342/352/362 series (Ethernet) S5 PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet TCP/IP PG Protocol) S7-1200/1500 (Ethernet ISOTCP) TISO0/505 TISO0/505 TISO0/505 TISO0/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
SPB N Mode) & FLEXPC CPU MICREX SX SPH-SPB-SPM-SPE-SPF series MICREX SX SPH-SPB-SPM-SPE-SPF series MICREX SX SPH-SPB-SPM-SPE-SPF CPU MICREX SX SPH-SPB-SPM-SPE-SPF CPU MICREX SX SPH-SPB-SPM-SPE-SPF CPU MICREX SX (Ethernet) PLC-5	ONA TECHNOLOGY OO Electric and chinery SHIBA	SECNET JW series JW100/70H COM port JW20 COM port JW300 series JW311/312/321/322 series (Ethernet) JW331/332/341/342/352/362 series (Ethernet) SF PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet TCP/IP PG Protocol) S7-1200/1500 (Ethernet TSOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGO! (Ethernet ISOTCP) TISO0/505 TISO0/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
MICCREX.SIX SPH/SPRISPMSPESPF Series MICCREX.SIX SPH/SPRISPMSPESPF CPU	ONA TECHNOLOGY OO Electric and chinery SHIBA	JW series JW100/70H COM port JW20 COM port JW20 COM port JW series (Ethernet) JW300 series JW311/312/321/322 series (Ethernet) JW331/332/341/342/352/362 series (Ethernet) S5 PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGOI (Ethernet ISOTCP) TI500/505 TI500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
MICREA-SX (Ethernet)	ONA TECHNOLOGY OO Electric and chinery SHIBA	JW100/70H COM port JW20 COM port JW20 COM port JW series (Ethernet) JW300 series JW311/312/321/322 series (Ethernet) JW331/332/341/342/352/362 series (Ethernet) S5 PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGOI (Ethernet ISOTCP) TISO0/505 TISO0/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
Alten-Bradley	ONIA TECHNOLOGY 20 Electric and chinery SHIBA BAURA	JW20 COM port JW series (Ethernet) JW300 series JW311/312/321/322 series (Ethernet) JW311/312/321/322 series (Ethernet) JW331/332/341/342/352/362 series (Ethernet) S5 PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGOI (Ethernet ISOTCP) TI500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
Alten-Bradley	ONIA TECHNOLOGY 20 Electric and chinery SHIBA BAURA	JW20 COM port JW series (Ethernet) JW300 series JW311/312/321/322 series (Ethernet) JW311/312/321/322 series (Ethernet) JW331/332/341/342/352/362 series (Ethernet) S5 PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGOI (Ethernet ISOTCP) TI500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
PLC-6 (Ethernet) SLC500 SN-2500 SN-250	ONIA TECHNOLOGY 20 Electric and chinery SHIBA BAURA	JW series (Ethernet) JW300 series JW311/312/321/322 series (Ethernet) JW311/312/321/322 series (Ethernet) S5 PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet TCP/IP PG Protocol) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGO! (Ethernet ISOTCP) TISO0/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
SU/SG (K- Sequence)	ONIA TECHNOLOGY 20 Electric and chinery SHIBA BAURA	JW300 series JW311/312/321/322 series (Ethernet) JW331/332/341/342/352/362 series (Ethernet) S5 PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGO! (Ethernet ISOTCP) TI500/505 TI500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
SLGSQ (MODBUS RTU)	ONIA TECHNOLOGY 20 Electric and chinery SHIBA BAURA	JW311/312/321/322 series (Ethernet) JW331/332/341/342/352/362 series (Ethernet) S5 PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGO! (Ethernet ISOTCP) T1500/505 T1500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) EX series nv series (Ethernet UDP/IP)
NET-ENI (SLC500 Ethernet TCP/IP) NET-ENI (MicroLogic Ethernet TCP/IP) NET-ENI (MicroLogic Ethernet TCP/IP) NET-ENI (MicroLogic Ethernet TCP/IP) NetroLogic (Ethernet TCP/IP) NetroLogic (Ethernet TCP/IP) NetroLogic (Ethernet TCP/IP) NetroB00 Controllers (Ethernet) NetroB00 Controllers (Ethernet TCP/IP) NetroB00 Controllers Tag ADS Protocol (Ethernet) NetroB00 Controllers Tag ADS Protocol (Etherne	ONIA TECHNOLOGY 20 Electric and chinery SHIBA BAURA	JW331/332/341/342/352/362 series (Ethernet) S5 PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) ISO0/505 TI500/505 TI500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
NET-ENI (MicroLogix Ethernet TCP/IP) MicroLogix (Ethernet TCP/IP) ControlLogix/CompactLogix ControlLogix/CompactLogix (Ethernet) MicroBoog Controllers MicroBoog Controllers MicroBoog Controllers (Ethernet) ControlLogix/CompactLogix (Ethernet TCP/IP) MicroBoo Controllers (Ethernet TCP/IP) Direct LOGIC (Ethernet UDP/IP) Direct LOGIC (MODBUS RTU) ASP Series CP Series ADS Protocol (Ethernet) Ting ADS Protocol (Ethernet) Ti	ONIA TECHNOLOGY 20 Electric and chinery SHIBA BAURA	S5 PG port S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGOI (Ethernet ISOTCP) TI500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
MicroLogix (Ethernet TCP/IP) ControlLogix (CompactLogix CompactLogix (Ethernet) ControlLogix (CompactLogix ControlLogix (CompactLogix ControlLogix (CompactLogix ControlLogix (CompactLogix Micro800 Controllers Micro800 Controllers Micro800 Controllers Micro800 Controllers ControlLogix (CompactLogix Tag Micro800 Controllers Tag (Ethernet TCP/IP) Micro800 Controllers Tag (Ethernet) Micro800 Controllers Tag (Ethernet) Micro800 Controllers Tag (Ethernet) Micro800 Controller Tag (Ethern	ONIA TECHNOLOGY 20 Electric and chinery SHIBA BAURA	S7 S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet TCP/IP PG Protocol) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) ISOU (Ethernet ISOTCP) ISOU (Ethernet ISOTCP) ISOU (Ethernet ISOTCP) ISOU/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
MicroLogix (Ethernet TCP/IP) ControlLogix/CompactLogix	CO Electric and chinery SHIBA	S7-200 (Ethernet ISOTCP) S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet TCP/IP PG Protocol) S7-300/400 (Ethernet TCP/IP PG Protocol) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGO! (Ethernet ISOTCP) TI500/505 TI500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series // series (T compatible) T series // series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
ControlLogiv/CompactLogix ControlLogiv/CompactLogix (Ethernet) ControlLogiv/CompactLogix (Ethernet) ControlLogiv/CompactLogix Tag ControlLogix	CO Electric and chinery SHIBA	S7-300/400 (Ethernet ISOTCP) S7-300/400 (Ethernet TCP/IP PG Protocol) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGO! (Ethernet ISOTCP) TI500/505 TI500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series // series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
ControlLogiv/CompactLogix (Ethernet) Micro800 Controllers Micro800 Controllers Chement TCP/IP) ControlLogiv/CompactLogix Tag XGTX/GK series (Ethernet UDP/IP) XGTX/GK series CPU XGTX/GK series (Ethernet) SMC XGTX/GK series (Ethernet) TEC XGTX/GK se	CO Electric and chinery SHIBA	S7-300/400 (Ethernet TCP/IP PG Protocol) S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGO! (Ethernet ISOTCP) TI500/505 TI500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
Micro800 Controllers Micro800 Controllers Micro800 Controllers (Ethernet TCP/IP) Micro800 Controllers (Ethernet TCP/IP) Micro800 Controllers Tag Micro800 Controllers Tag (Ethernet TCP/IP) Micro800 Controllers Controller Tag (Ethernet TCP/IP) Micro800 Control	CO Electric and chinery SHIBA	S7-1200/1500 (Ethernet ISOTCP) S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGOI (Ethernet ISOTCP) TI500/505 TI500/505 V4 Compatible SELMART TPO3 (MODBUS RTU) T series // series (T compatible) T series // series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
Micro800 Controllers (Ethernet TCP/IP) Controll.ogis/CompactLogix Tag Controll.ogis/CompactLogix Tag (Ethernet TCP/IP) Micro800 Controllers Tag (Ethernet TCP/IP) Micro800 Controllers Tag (Ethernet TCP/IP) Direct LOGIC (Ethernet DDP/IP) Direct LOGIC (Ethernet UDP/IP) Direct LOGIC (Ethernet) Direct LOGIC (Ethe	CO Electric and chinery SHIBA	S7-1200/1500 Tag (Ethernet ISOTCP) S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGOI (Ethernet ISOTCP) TI500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) EX series T series (T compatible) EX series T series (T compatible)
ControlLogiv/CompactLogix Tag	CO Electric and chinery SHIBA	S7-1200/1500 Optimized Tag (Ethernet ISOTCP) LOGO! (Ethernet ISOTCP) TI500/505 TI500/505 V4 Compatible SELMART TPO3 (MODBUS RTU) T series // series (T compatible) T series // series (T compatible) EX series nv series (Ethernet UDP/IP)
Controll_ogiv/CompactLogix Tag (Ethernet TCP/IP) Micro800 Controllers Tag Micro800 Controllers Tag (Ethernet TCP/IP) AutomationDirect Direct LOGIC Direct LOGIC (Sequence) Direct LOGIC (Ethernet UDP/IP) Direct LOGIC (MDBUS RTU) Azbil MX series Baumulier BMx-x-PLC BECKHOFF ADS Protocol (Ethernet) Tag ADS Protocol (Ethernet) AS Series CP Series CP Series CP Series CP Series S Series (Ethernet) CP Series CP	CO Electric and chinery SHIBA	LOGO! (Ethernet ISOTCP) TI500/505 TI500/505 V4 Compatible SELMART TPO3 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
Micro800 Controllers Tag Micro800 Controllers Tag (Ethernet TCP/IP) AutomationDirect Direct LOGIC Direct LOGIC (K-Sequence) Direct LOGIC (Ethernet UDP/IP) Direct LOGIC (Ethernet UDP/IP) Direct LOGIC (MODBUS RTU) Azbil MX series Baumuller BMx-x-PLC BECKHOFF ADS Protocol (Ethernet) Tag ADS Protocol (Ethernet) CP Series S Series S Series S Series S Series (Ethernet) CP Series AP Series (Multi CPU) CPU Series (Multi CPU) (Ethernet) CP Series DVP series (MODBUS ASCII) DVP series (MODBUS ASCII) DVP series (MODBUS TCP/IP) EATON ELC EAT	CO Electric and chinery SHIBA	TI500/505 TI500/505 V4 Compatible SELMART TPO3 (MODBUS RTU) T series // series (T compatible) T series // series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
Micro800 Controllers Tag (Ethernet TCP/IP) AutomationDirect Direct LOGIC (K-Sequence) Direct LOGIC (Ethernet UDP/IP) Direct LOGIC (MODBUS RTU) Azbil Mx series Mix series link A series link ConA series link ConA series link ConH (O) series CPU Apply Protocol (Ethernet) Tag ADS Protocol (Ethernet) Tag ADS Protocol (Ethernet) CP Series CP Series CP Series S Series S Series (Ethernet) ADP series (Multi CPU) DIVERTING (MULTI CPU) CP3E CP3E CP3E CP3E CP4 DVP series (Multi CPU) DVP series (Multi CPU) DVP series (Multi CPU) EEATON ELC EATON E	CO Electric and chinery SHIBA	TI500/505 V4 Compatible SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
AutomationDirect Direct LOGIC Direct LOGIC (K-Sequence) Direct LOGIC ((K-Sequence) Direct LOG	CO Electric and chinery SHIBA	SELMART TP03 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
Direct LOGIC (K-Sequence) Direct LOGIC (Ethernett UDP/IP) Direct LOGIC (Ethernett UDP/IP) Direct LOGIC (MODBUS RTU) Azbil MX series Baumuller BMx-x-PLC BECKHOFF ADS Protocol (Ethernet) Tag ADS Protocol (Ethernet) Tag ADS Protocol (Ethernet) CIMON BP Series AP Series (MUII CPU) (Ethernet) AP Series AP Series AP SERIES (MUII CPU) (Ethernet) AP Series (MUII CPU) (Ethernet) AP SERIES (MUII CPU) (Ethernet ASCII) AP SERIES (MUII CPU) (Ethernet) AP SERIES (MU	CO Electric and chinery SHIBA	TPO3 (MODBUS RTU) T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
Direct LOGIC (Ethernet UDP/IP) Direct LOGIC (MODBUS RTU) OnA series link OnA series link OnA series (Ethernet) TOS	Chinery SHIBA BAURA	T series /V series (T compatible) T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
Direct LOGIC (MODBUS RTU)	BAURA	T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
Azbil MX series CnH (Q) series link	BAURA	T series /V series (T compatible) (Ethernet UDP/IF EX series nv series (Ethernet UDP/IP)
Baumuller		EX series nv series (Ethernet UDP/IP)
BECKHOFF		nv series (Ethernet UDP/IP)
Tag ADS Protocol (Ethernet)		
CIMON		10200
District CPS eries CnH (Q) series (Multi CPU)		μGPCsx series
XP Series CnH (Q) series (Multi CPU) (Ethernet)		µGPCsx CPU
S Series CnH (Q) series CPU (Multi CPU) TUR		μGPCsx series (Ethernet)
S Series (Ethernet)	20K	BL Series Distributed I/O (MODBUS TCP/IP)
CP3E		
DELTA DVP series OnU series (Built-in Ethernet) VIGO DVP series (MODBUS ASCII) OnU series (Multi CPU) (Built-in Ethernet) VIGO DVP series (MODBUS TCP/IP) OnU series (Built-in Ethernet ASCII) WAC EATON (EATON Cuter-Hammer) L series (Built-in Ethernet) XINJ EMERSON EC10/EC20/EC20H (MODBUS RTU) L series (Built-in Ethernet) XINJ EMERSON EC10/EC20/EC20H (MODBUS RTU) L series (Built-in Ethernet) XINJ FANUC Power Mate FX series CPU Yask FATEC Automation FACON FB series FXZM/1N series CPU FESTO FESTO FEC FX series (Ink (A prt) FX series (Ink (A prt) FUFEING APC Series Controller FX series link (A prt) FX series (SNP-X) PX3U/3UC/3G series (Ethernet) 90 series (SNP-X) 90 series (SNP) FX3U/3UC/3G series (Ethernet) FX3U/3UC/3G series (Ethernet)		UIC CPU (MODBUS ASCII)
DVP series (MODBUS ASCII) OnU series (Multi CPU) (Built-in Ethernet) VIGO	ITRONICS	M90/M91/Vision Series (ASCII)
DVP series (MODBUS TCP/IP) CnU series (Built-in Ethernet ASCII) WAGE EATON ELC L series link L series (Built-in Ethernet) XINU EMERSON EC10/EC20/EC20H (MODBUS RTU) L series CPU FANUC Power Mate PX series CPU **2 Yask FATEC Automation FACON FB series FX2N/1N series CPU FESTO FEC PX1S series CPU FUFENG APC Series Controller PX series Iink (A prt) GE Fanuc 90 series PX3U/3UC/3G series CPU 90 series (SNP-X) PX3U/3UC/3G series (Ethernet) 90 series (SNP) PX3U/3UC/3G series link (A prt) FX3U/3UC/3G series (Ethernet) FX3U/3UC/3C series (Ethernet) FX3U/3UC/3C series (Ethernet)	OD ELECTRIC	Vision Series (ASCII Ethernet TCP/IP)
EATON (EATON Cutter-Hammer) L series (Ink L series (Built-in Ethernet) XINU EMERSON EC10/EC20/EC20H (MODBUS RTU) L series CPU Yask FANUC Power Mate PX series CPU *2 Yask FATEC Automation FACON FB series FX2M/1N series CPU FESTO FEC FX1S series CPU FUFENG APC Series Controller FX series link (A prt) GE Fanuc 90 series PX3U/3UC/3G series CPU 90 series (SNP-X) FX3U/3UC/3G series (Ethernet) 90 series (SNP) FX3U/3UC/3G series link (A prt)		M series
EATON Cutter-Hammer	.GO	750 series (MODBUS RTU)
EMERSON EC10/EC20/EC20H (MODBUS RTU) L series CPU FANUC Power Mate FX series CPU *2 Yask FATEC Automation FACON FB series FX2N/1N series CPU FESTO FEC FX1S series CPU FUFENG APC Series Controller FX series link (A prt) GE Fanuc 90 series FX3U/3UC/3G series CPU 90 series (SNP-X) FX3U/3UC/3G series (Ethernet) 90 series (SNP) FX3U/3UC/3G series link (A prt)	·-	750 series (MODBUS Ethernet)
FANUC Power Mate FX series CPU *2 Yask FATEC Automation FACON FB series FX2N/1N series CPU FESTO FEC FX1S series CPU FUFENG APC Series Controller FX series link (A prt) GE Fanuc 90 series FX3U/3UC/3G series CPU 90 series (SNP-X) FX3U/3UG/3G series (Ethernet) 90 series (SNP) FX3U/3UC/3G series link (A prt)	JE	XC Series (MODBUS RTU)
FATEC Automation FACON FB series PX2N/1N series CPU FESTO FEC FX1S series CPU FUFENG APC Series Controller FX series link (A prt) GE Fanuc 90 series FX3U/3UC/3G series CPU 90 series (SNP-X) FX3U/3GE series (Ethernet) 90 series (SNP) FX3U/3UC/3G series link (A prt)		XD Series (MODBUS RTU)
FESTO FEC PX1S series CPU FUFENG APC Series Controller PX series link (A prt) GE Fanuc 90 series FX3U/3UC/3G series CPU 90 series (SNP-X) PX3U/3GE series (Ethernet) 90 series (SNP) FX3U/3UC/3G series link (A prt)	kawa Electric	MEMOBUS
FUFENG APC Series Controller FX series link (A prt) GE Fanuc 90 series FX3U/3UC/3G series CPU 90 series (SNP-X) FX3U/3GE series (Ethernet) 90 series (SNP) FX3U/3UC/3G series link (A prt)		CP9200SH/MP900
GE Fanuc 90 series PX3U/3UC/3G series CPU 90 series (SNP-X) FX3U/3GE series (Ethernet) 90 series (SNP) FX3U/3UC/3G series link (A prt)		MP2300 (MODBUS TCP/IP)
90 series (SNP-X) FX3U/3GE series (Ethernet) 90 series (SNP) FX3U/3UC/3G series link (A prt)		CP/MP EXPANSION MEMOBUS (UDP/IP)
90 series (SNP) FX3U/3UC/3G series link (A prt)		MP2000 Series
		MP2000 Series (UDP/IP)
		MP3000 Series
		MP3000 Series (Ethernet UDP/IP)
RX3i (Ethernet TCP/IP) FX5U/5UC series (Ethernet)		MP3000 Series EXPANSION MEMOBUS (Etherne
	ogawa Electric	FA-M3
HIDIC-S10/2alpha,S10mini (Ethernet) Q170MCPU (Multi CPU)		FA-M3R
HIDIC-S10/4alpha Q170 series (Multi CPU) (Built-in Ethernet)		FA-M3/FA-M3R (Ethernet UDP/IP)
HIDIC-S10/ABS Q170 series (Multi CPU) (Ethernet)		FA-M3/FA-M3R (Ethernet UDP/IP ASCII)
HIDIC-S10V (Q-R series (Built-in Ethernet)		FA-M3/FA-M3R (Ethernet TCP/IP)
HIDIC-S10V (Ethernet) iQ-R series link		FA-M3/FA-M3R (Ethernet TCP/IP ASCII)
Hitachi Industrial HIDIC-H *1 IO- Schneider Flectric Moditus RTI I		FA-M3V
Systems Systems		FA-M3V (Ethernet)
TIBO CITY		FA-M3V (Ethernet ASCII)
	DESYS	CODESYS V3 (Ethernet)
HYUNDAI H5 Robot (MODBUS RTU) OMRON SYSMAC C Othe	iers	Universal Serial
Hi4 Robot (MODBUS RTU) SYSMAC CV		Without PLC Connection
IDEC MICRO 3 SYSMAC CS1/CJ1/CJ2		MODBUS RTU
MICRO Smart SYSMAC CS1/CJ1/CJ2 DNA		MODBUS RTU EXT Format
MICRO Smart pentra SYSMAC CS1/CJ1/CJ2/CP Series (Ethernet)		MODBUS TCP/IP (Ethernet)
MICRO Smart (Ethernet TCP/IP) SYSMAC CS1/CJ1/CJ2/CP Series (Ethernet Auto)		MODBUS TCP/IP (Ethernet) Sub Station
JTEKT TOYOPUC SYSMAC CS1/CJ1/CJ2/CP Series DNA (Ethernet)		MODBUS TCP/IP (Ethernet) EXT Format
TOYOPUC (Ethernet) NJ Series (EtherNet/IP)		MODBUS ASCII
TOYOPUC (Ethernet PC10 Mode) Panasonic FP Series (RS232C/422)		OPC UA server TCP/IP (Ethernet)
TOYOPUC-Plus FP Series (TCP/IP)		RFID controller (Stepless protocol)
TOYOPUC-Plus (Ethernet) FP Series (UDP/IP)		V-Link
TOYOPUC-Nano (Ethernet) FP-X (TCP/IP)		Modbus slave (RTU)
KEYENCE KZ series link FP7 Series (RS232C/422)		Modbus slave (TCP/IP)
KZ/KV series CPU FP7 Series (Ethernet)		Modbus slave (ASCII)
KZ24/300 CPU RS Automation NX7/NX Plus series (70P/700P/CCU+) *1 传		没有站号则无法连接
KV10/24 CPU N7/NX series (70/700/750/CCU) *2 F)	专送形式:步骤1	妾
KV-700 NX700 series (Ethernet)	5送形式:步骤1 X1、FX2无法连持	

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	Models	Manufacturer	Models	
Fuji Electric	PYX (MODBUS RTU)	IAI	X-SEL Controller	
	PXR (MODBUS RTU)		ROBO CYLINDER (RCP2/ERC)	
	PXF (MODBUS RTU)		ROBO CYLINDER (RCS/E-CON)	
	PXG (MODBUS RTU)		PCON/ACON/SCON (MODBUS RTU)	
	PXH (MODBUS RTU)	KEYENCE	DL-RS1A (SK-1000)	
	PUM (MODBUS RTU)	Koatsy Gas Kogyo		
	F-MPC04P (Loader)	KOGANEI	IBFL-TC	
	F-MPC series/FePSU	Lenze	Servo Drive 9400 (Ethernet TCP/IP)	
	FVR-E11S	MITSUBISHI ELECTRIC	FR-*500	
	FVR-E11S (MODBUS RTU)	LLLOTTIO	FR-V500	
	FVR-C11S (MODBUS RTU) FRENIC5000G11S/P11S		MR-J2S-*A	
	FRENIC5000G11S/P11S (MODBUS RTU)		MR-J2S-*CL MR-J3-*A	
	FRENICS000G113/F113 (MODBUS RTU)		MR-J3-*T	
	FRENIC-Ace (MODBUS RTU)		MR-J4-*A	
	FRENIC-Eco (MODBUS RTU)		FR-E700	
	FRENIC-HVAC/AQUA (MODBUS RTU)		FR-E800	
	FRENIC-MEGA (MODBUS RTU)	MOOG	J124-04x Series	
	FRENIC-MEGA (G2) (MODBUS RTU)	M-SYSTEM	R1M Series (MODBUS RTU)	
	FRENIC-MEGA SERVO (MODBUS RTU)	NITTOKU	ITS-HRW110	
	FRENIC-Mini (MODBUS RTU)	OMRON	E5AK	
	FRENIC-Multi (MODBUS RTU)		E5AK-T	
	FRENIC-VG1 (MODBUS RTU)		E5AN/E5EN/E5CN/E5GN	
	FRENIC Series (Loader)		E5AR/E5ER	
	HFR-C9K		E5CC/E5EC/E5AC/E5DC/E5GC	
	HFR-C11K		E5CK	
	HFR-K1K		E5CK-T	
	PPMC (MODBUS RTU)		E5CN-HT	
	FALDIC-alpha Series		E5EK	
	FALDIC-W Series		E5ZD	
	PH Series		E5ZE	
	PHR (MODBUS RTU)		E5ZN	
	WA5000		V600/620/680	
	APR-N (MODBUS RTU)		KM20	
	ALPHA5 (MODBUS RTU)		KM100	
	ALPHA5 Smart (MODBUS RTU)		V680S (Ethernet TCP/IP)	
	ALPHA7 (MODBUS RTU)	ODIENTAL	EJ1	
	WE1MA (Ver. A) (MODBUS RTU) WE1MA (Ver. B) (MODBUS RTU)	ORIENTAL MOTOR	High-efficiency AR Series (MODBUS RTU) CRK Series (MODBUS RTU)	
	WSZ series	Panasonic	MINAS A4 series	
	WSZ series (Ethernet)	i di idaoi ilo	KW series	
gilent	4263 Series		LP-400	
zbil	SDC10		LP-RF series	
	SDC15		LP-RF series (Ethernet)	
	SDC20	RKC	SR-Mini (MODBUS RTU)	
	SDC21	INSTRUMENT	CB100/CB400/CB500/CB700/CB900 (MODBUS RTU	
	SDC25/26		SR-Mini (Standard Protocol)	
	SDC30/31		REX-F400/F700/F900 (Standard Protocol)	
	SDC35/36		REX-F9000 (Standard Protocol)	
	SDC40A		SRV (MODBUS RTU)	
	SDC40G		MA900/MA901 (MODBUS RTU)	
	SDC45/46		SRZ (MODBUS RTU)	
	DMC10		FB100/FB400/FB900 (MODBUS RTU)	
	DMC50 (COM)	RS Automation	CSD5 (MODBUS RTU)	
	AHC2001		Moscon-F50 (MODBUS RTU)	
	AHC2001+DCP31/32	Sanmei Electronics	Cuty Axis	
	AHC2001+DCP31/32 DCP31/32	SanRex	Cuty Axis DC AUTO (HKD type)	
	AHC2001+DCP31/32 DCP31/32 NX (CPL)		Cuty Axis DC AUTO (HKD type) DS-30D	
	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP)	SanRex SHARP	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D	
	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU)	SanRex SHARP SHIMADEN	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol	
**	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS TCP/IP)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series	
.&D	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS TCP/IP) AD4402 (MODBUS RTU)	SanRex SHARP SHIMADEN	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D SShimaden Standard Protocol C Series FC Series	
	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS TCP/IP) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series	
ANNER ENGINEERING	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS TCP/IP) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) Presence PLUS (Ethernet/IP (TCP/IP))	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A	
ANNER ENGINEERING Bosh Rexroth	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) Presence PLUS (Ethernet/IP (TCP/IP)) IndraDrive	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCx-300 Series	
SANNER ENGINEERING Bosh Rexroth	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) IndraDrive LT400 series (MODBUS RTU)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCX-300 Series PC-900	
A&D AANNER ENGINEERING 30sh Rewroth HINO	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) Presence PLUS (Ethernet/IP (TCP/IP)) IndraDrive LT400 series (MODBUS RTU) DP1000	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCX-300 Series PC-900 PCD-33A	
SANNER ENGINEERING Bosh Rexroth	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS TCP/IP) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) Presence PLUS (Ethernet/IP (TCP/IP)) IndraDrive LT400 series (MODBUS RTU) DP1000 DB1000B (MODBUS RTU)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCX-300 Series PC-900 PCD-33A ACS-13A	
ANNER ENGINEERING Bosh Rexroth	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) Presence PLUS (Ethernet/IP (TCP/IP)) IndraDrive LT400 series (MODBUS RTU) DP1000 DB1000B (MODBUS RTU) KR2000 (MODBUS RTU)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCX-300 Series PC-900 PCD-33A	
ANNER ENGINEERING Bosh Rexroth	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) Presence PLUS (Ethernet/IP (TCP/IP)) IndraDrive LT400 series (MODBUS RTU) DP1000 DB1000B (MODBUS RTU) KR2000 (MODBUS RTU) LT230 (MODBUS RTU) LT230 (MODBUS RTU)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCx-300 Series PC-900 PCD-33A ACS-13A ACD/ACR Series WCL-13A	
NNER ENGINEERING osh Rexroth	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) IndraDrive LT400 series (MODBUS RTU) DP1000 DB1000B (MODBUS RTU) LT230 (MODBUS RTU) LT300 (MODBUS RTU) LT300 (MODBUS RTU) LT300 (MODBUS RTU)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCX-300 Series PC-900 PCD-33A ACS-13A ACD/ACR Series WCL-13A PCA1 Series	
ANNER ENGINEERING osh Rexroth HINO	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) Presence PLUS (Ethernet/IP (TCP/IP)) IndraDrive LT400 series (MODBUS RTU) DP1000 DB1000B (MODBUS RTU) KR2000 (MODBUS RTU) LT300 (MODBUS RTU) LT300 (MODBUS RTU) LT300 (MODBUS RTU) LT300 (MODBUS RTU)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCX-300 Series PC-900 PCD-33A ACS-13A ACD-4ACR Series WCL-13A PCA1 Series PC-91 Series	
NINER ENGINEERING osh Rexroth HINO	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) Presence PLUS (Ethernet/IP (TCP/IP)) IndraDrive LT400 series (MODBUS RTU) DP1000 DB1000B (MODBUS RTU) KR2000 (MODBUS RTU) LT230 (MODBUS RTU) LT330 (MODBUS RTU)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCx-300 Series PC-900 PCD-33A ACS-13A ACCI-13A PCJ-13A PCJ	
NNER ENGINEERING Jish Rexroth HINO SELTA TAU DATA (STEMS	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) Presence PLUS (Ethernet/IP (TCP/IP)) IndraDrive LT400 series (MODBUS RTU) DP1000 DB1000B (MODBUS RTU) KR2000 (MODBUS RTU) LT230 (MODBUS RTU) LT230 (MODBUS RTU) LT300 (MODBUS RTU) LT300 (MODBUS RTU) LT300 (MODBUS RTU) LT300 (MODBUS RTU) PMAC PMAC (Ethernet TCP/IP)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCX-300 Series PC-900 PCD-33A ACS-13A ACD/ACR Series WCL-13A PCA1 Series PCA1 Series PCB1 Series JIR-301-M Series BCX2 Series	
ANNER ENGINEERING osh Rexroth HIINO ELITA TAU DATA YSTEMS	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) IndraDrive LT400 series (MODBUS RTU) DP1000 DB1000B (MODBUS RTU) LT230 (MODBUS RTU) LT230 (MODBUS RTU) LT300 (MODBUS RTU) FACON FBS series (Ethernet)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCx-300 Series PC-900 PCD-33A ACS-13A ACD/ACR Series WCL-13A PCA1 Series PCB1 Series PCB1 Series BCX2 Series DCX2 Series DCX1 Series DCX2 Series DCX1 Series DCX1 Series DCX2 Series DCX1 Series DCX1 Series DCX2 Series DCX1 Series DCX2 Series DCX1 Series(MODBUS RTU)	
ANNER ENGINEERING osh Rexroth HIINO ELTA TAU DATA YSTEMS ATEK Automation	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) IndraDrive LT400 series (MODBUS RTU) DP1000 DB1000B (MODBUS RTU) HZ200 (MODBUS RTU) LT330 (MODBUS RTU) LT300 (MODBUS RTU) PMAC PMAC (Ethernet TCP/IP) FACON FBs series (Ethernet) TTC2100	SanRex SHARP SHIMADEN SHINKO TECHNOS	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCx-300 Series PC-900 PCD-33A ACS-13A ACD/ACR Series WCL-13A PCA1 Series WCL-13A PCA1 Series UIR-301-M Series JIR-301-M Series BCx2 Series GTC1 Series(MODBUS RTU) GTC1 Series(MODBUS RTU)	
ANNER ENGINEERING osh Rexroth HINO ELITA TAU DATA YSTEMS ATEK Automation jammaflux	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) IndraDrive LT400 series (MODBUS RTU) DP1000 DB1000B (MODBUS RTU) LT230 (MODBUS RTU) LT230 (MODBUS RTU) LT300 (MODBUS RTU)	SanRex SHARP SHIMADEN SHINKO	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCx-300 Series PC-900 PCD-33A ACS-13A ACD/ACR Series WCL-13A PCA1 Series PCB1 Series PCB1 Series BCX2 Series DCX2 Series DCX1 Series DCX2 Series DCX1 Series DCX1 Series DCX2 Series DCX1 Series DCX1 Series DCX2 Series DCX1 Series DCX2 Series DCX1 Series(MODBUS RTU)	
ANNER ENGINEERING Bosh Rexroth	AHC2001+DCP31/32 DCP31/32 NX (CPL) NX (CPL) (Ethernet TCP/IP) NX (MODBUS RTU) NX (MODBUS RTU) AD4402 (MODBUS RTU) AD4404 (MODBUS RTU) Presence PLUS (Ethernet/IP (TCP/IP)) IndraDrive LT400 series (MODBUS RTU) DP1000 DB1000B (MODBUS RTU) KR2000 (MODBUS RTU) KR2000 (MODBUS RTU) LT300 (MODBUS RTU) CT300 (MODBUS R	SanRex SHARP SHIMADEN SHINKO TECHNOS	Cuty Axis DC AUTO (HKD type) DS-30D DS-32D Shimaden Standard Protocol C Series FC Series GC Series DCL-33A JCx-300 Series PC-900 PCD-33A ACS-13A ACS-13A ACD/ACR Series WCL-13A PCA1 Series PCB1 Series JIR-301-M Series BCX2 Series CTC1 Series(MCDBUS RTU) CTC1 Series(MDDBUS RTU) S120 (Ethernet ISOTCP)	

	截止到2023年12月
lanufacturer	Models
OHO ELECTRONICS	TTM-200 (MODBUS RTU)
okyo Chokoku larking Products	MB3315/1010
OSHIBA	VF-S7
	VF-S9
	VF-S11
	VF-S15
	VF-A7
	VF-AS1
	VF-P7
	VF-PS1
	VF-FS1
	VF-MB1
	VF-nC1
	VF-nC3
HIBAURA MACHINE	VELCONIC Series
LVAC	G-TRAN Series
NIPULSE	F340A
	F371
	F800
	F720A
	F805A
AMAHA	RCX142
askawa Electric	DX200 (High-Speed Ethernet)
okogawa Electric	UT100
	UT320
	UT350
	UT450
	UT520
	UT550
	UT750
	UT2400/2800
	UT32A/35A (MODBUS RTU)
	UT52A/55A (MODBUS RTU)
	UT75A (MODBUS RTU)
	μR10000/20000 (Ethernet TCP/IP)
thers	MODBUS RTU
	MODBUS TCP/IP (Ethernet)
	General AE-LINK

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