Innovating Energy Technology

SOFT MONITOUCH

Manjeera Scada and Manjeera- Server

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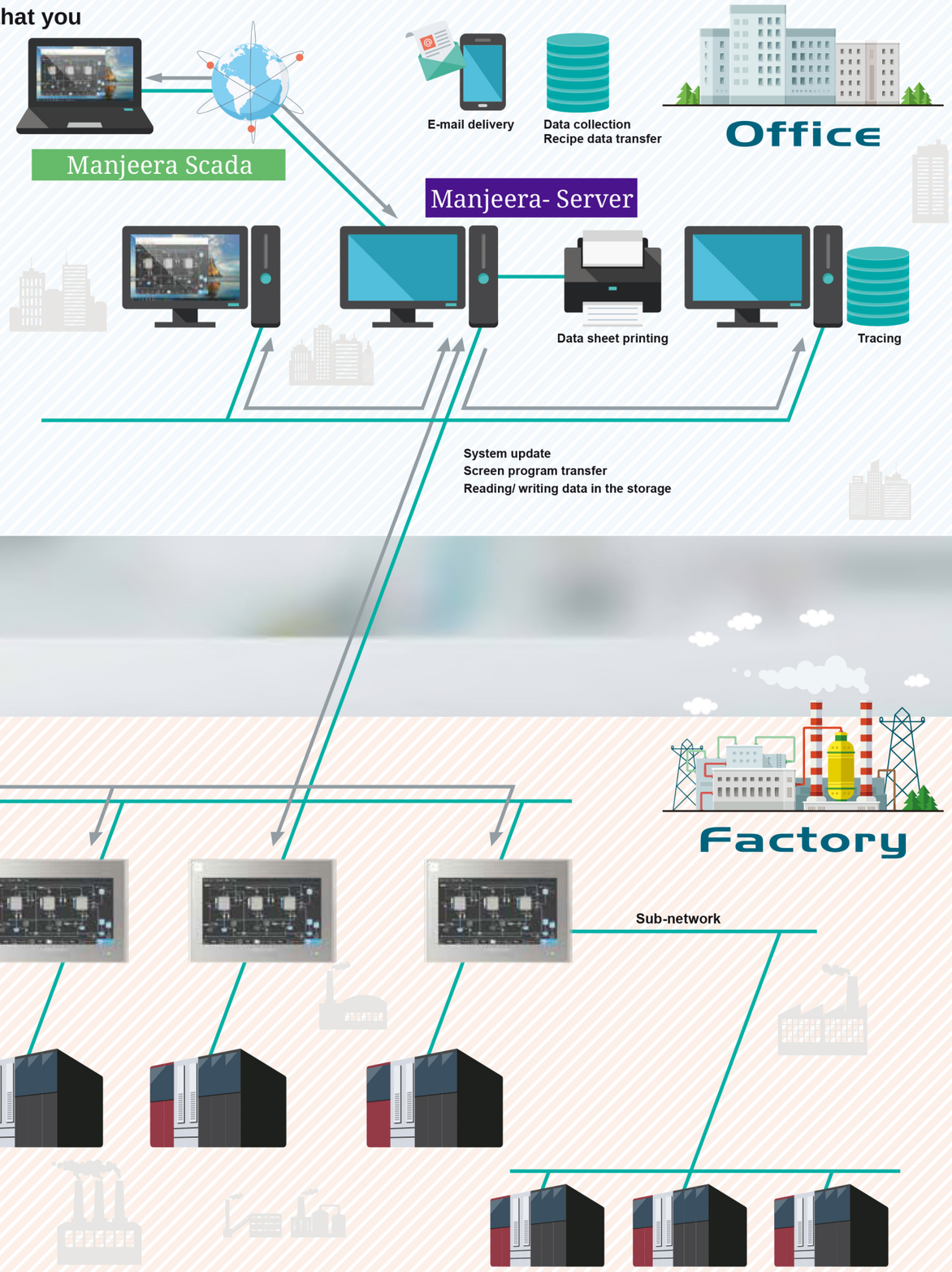
Bringing the factory floor to your desk

Manjeera Scada and Manjeera- Server

Monitoring the factory from the office enables quick response to changes, improving operating efficiency.

Manjeera Scada and Manjeera- Server links MONITOUCH in a factory with a PC in the office, so that you can remotely collect on-site data or monitor and control the equipment in the factory. This combination enables efficient and low- cost production; immediate and appropriate responses to the condition of the production line is possible from anywhere.



=MONITOUCH =PLC =Internet

=PC =Printer =Database

=iPad

Manjeera- Server P.4

Collection and saving of current data

Linkage of a PC and MONITOUCH via Ethernet enables collection and saving of on-site data in real time.

Manjeera- Remote P.6

Remote monitoring and control

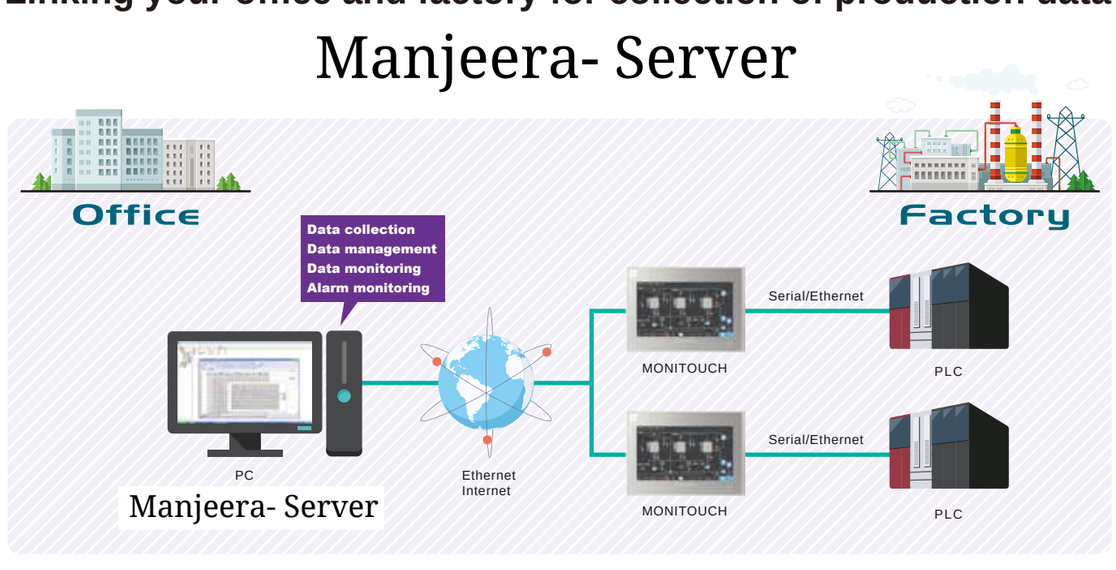
Installation of the Manjeera Scada and Manjeera-Server Software Package allows your PC to monitor and control the production site via MONITOUCH through Ethernet.

Manjeera- HMI P.7

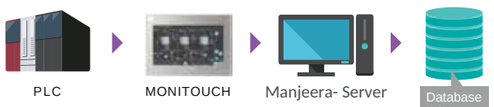
MONITOUCH functions available on your PC/iPad

Equivalent functions of MONITOUCH are available on your PC or iPad by directly connecting to PLC after installing Manjeera software. It is possible to show a screen image on a large PC display and link various Windows applications. By using on iPad, the control panel becomes portable.

Linking your office and factory for collection of production data



Data saving without programming



Data logging function

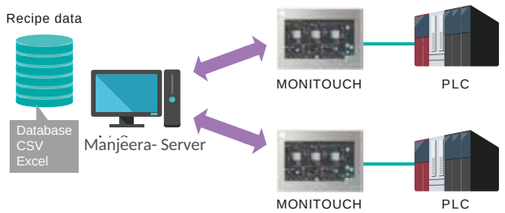
Production data can be regularly read out and saved in database or CSV/ Excel format.

Readout of sampling data

Sampling data stored in MONITOUCH can be read out and saved in database or CSV/ Excel format.

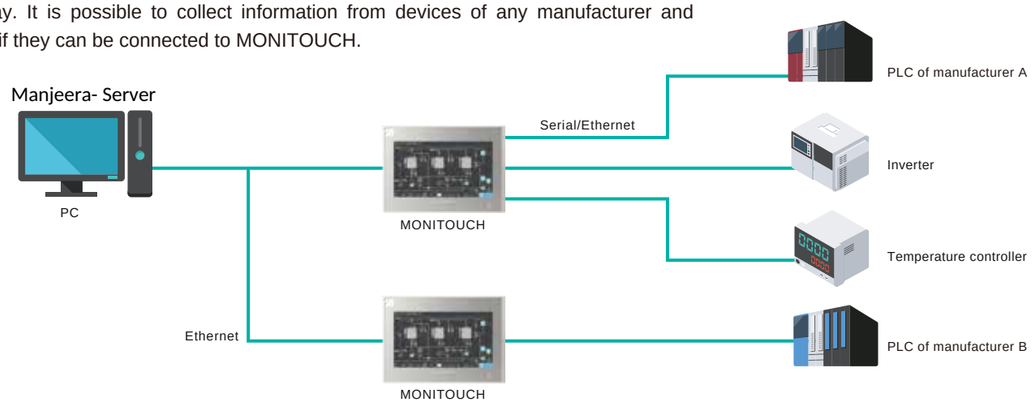
Consolidated recipe data management

Consolidation of recipe data by the host PC reduces the process of recipe registration and modification for each equipment and provides consistent production control.



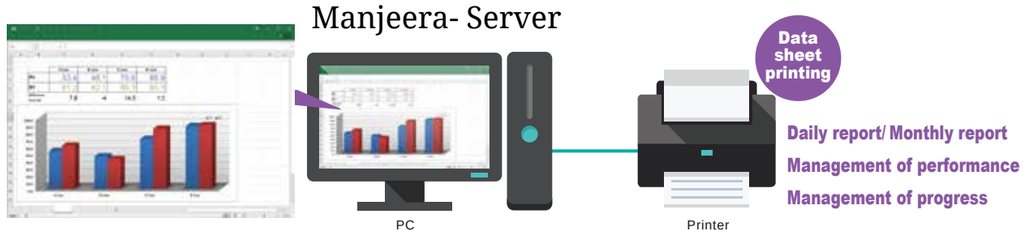
Consolidated data management for PLCs from various manufacturers and models

Manjeera-Server collects information from peripheral devices through MONITOUCH as a gateway. It is possible to collect information from devices of any manufacturer and model if they can be connected to MONITOUCH.



Easy to make daily and monthly reports (DDE function)

The tag data registered in Manjeera-Server can be pasted to Excel spreadsheet in DDE format.
This makes it easy to generate daily/monthly reports.

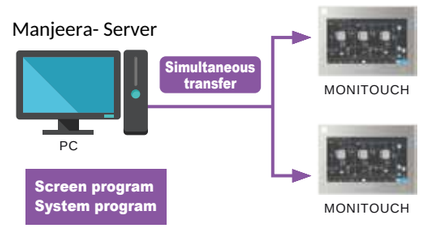


Quick response to on-site problems

Alarm data can be monitored to display historical data or a list of alarms currently occurring. In addition, an e-mail alert can be sent immediately when a critical alarm occurs.

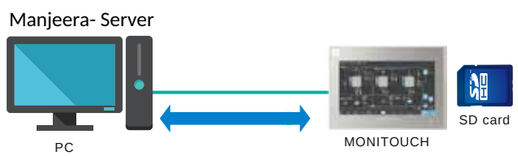
Updating of MONITOUCH data from the office

You can update the system program of multiple MONITOUCH panels at a time or transfer the screen program to them all together.



Reading and writing of stored data

Files on a SD card inserted in MONITOUCH can be read out to a PC, and files edited on a PC can be written onto a SD card via Ethernet.



Automatic actions in response to events

Various kinds of events can be set depending on the requirements of the operation. Events allow for a high degree of flexibility, so you can adapt to the specifications of the production line.

Event (Trigger conditions)

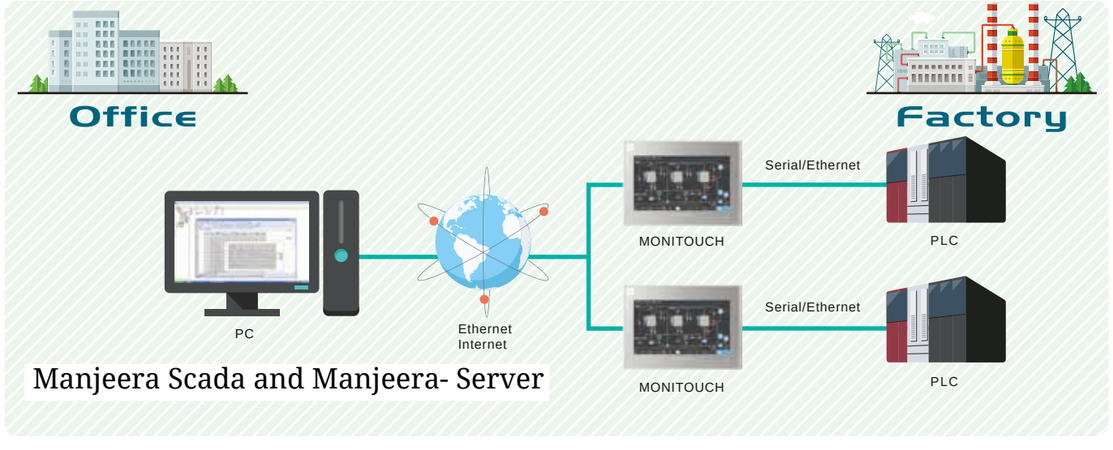
Bit ON/OFF	Value comparison	Time setting

Action (Operations)

Start/Stop of logging	Recipe read/write	Sampling readout
Application start-up	Stored data read/write	

Remote monitoring and control

Manjeera Remote



Remote control with excellent cost performance

Conventional system

SCADA (Software) | Screen configration and customization | Communication unit (PLC) etc.

Conventional remote control systems require an enormous amount of time and money; expensive equipment and software, exclusive programming by VB/ VC, etc. are needed.

High cost!

Manjeera Scada and Manjeera-Server

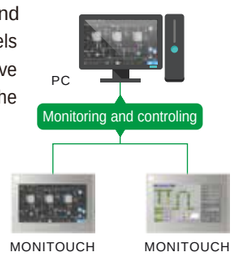
Manjeera Scada and Manjeera-Server | MONITOUCH

Only installation of low-cost application software is needed. The same screen program as for MONITOUCH in production site can be used without making any additional screen program for remote monitoring.

Low cost!

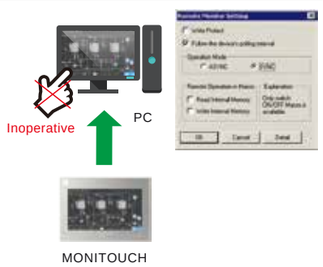
Monitoring and control of multiple units by one PC

Manjeera allows you to control and monitor multiple MONITOUCH panels with a single PC, which helps improve the operating efficiency and the cost-effectiveness.



Security functions against operation errors

Security functions such as write-protect are provided to ensure safe and secure system operation.

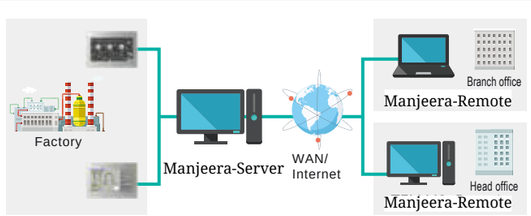


Remote control by means of a simple system

The system is compatible with various systems such as in-house LAN, Internet, WAN, etc.

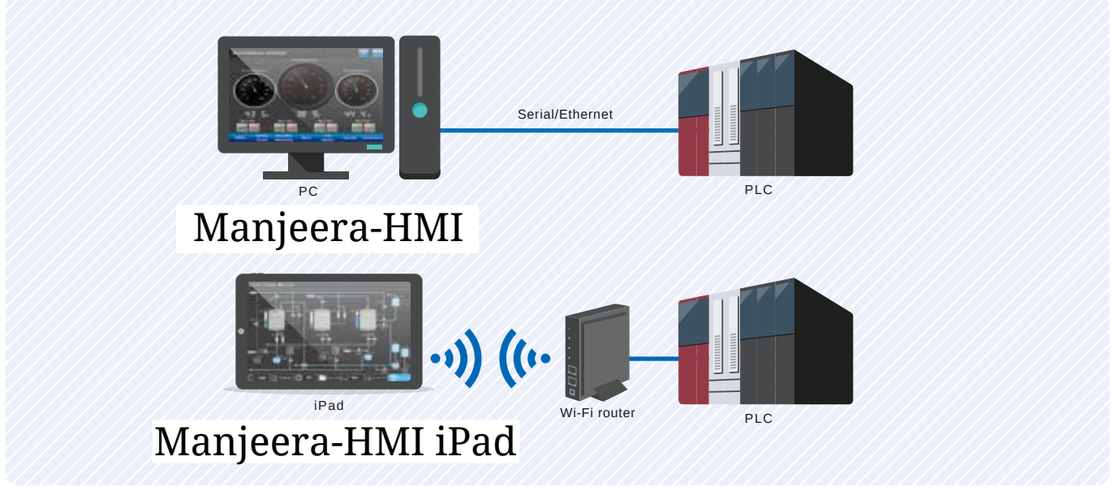
- **You can access the on-site screen via the Internet from a remote location.**
- **You can monitor overseas plants via WAN.**

*It is necessary to modify the setting of firewall and routing for Internet access.



Realizing even higher performance with MONITOUCH by integrating PC/iPad into systems

Manjeera-HMI



Install anywhere, even on your palm — Manjeera-HMI iPad

It enables new applications like controlling multiple machines with a single tablet or wirelessly operating a machine while visually monitoring where best.

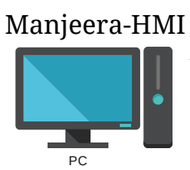
*Manjeera-HMI iPad supports only Ethernet TCT/IP communications.

Easy selection of peripheral equipment — Manjeera-HMI

It is possible to connect peripheral equipment such as printers and mass storage media that have Windows drivers so that the data can be easily output or saved.

Large expandability combined with various applications — Manjeera-HMI

Processing of production data such as summary and analysis can be easily conducted using external software.



Shutdown of OS

OS can be shut down on Manjeera without displaying the shutdown menu.

Start-up of application

Various applications can be run, including that for viewing a PDF of the troubleshooting manual.

Loading and execution of DLL functions

DLL functions that were made individually can be loaded and executed on MANJEERA.

Advantages of using Manjeera Server

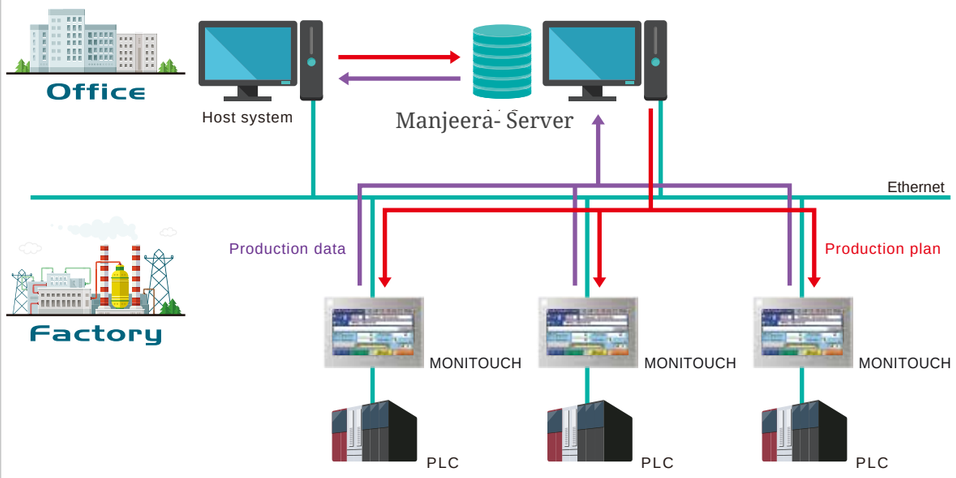
“I don’t have to bother collecting data any more.”

Real-time collection of on-site production data

Production data can be collected in real time without distracting workers.
Collected data can be used for reviewing production plans and improving production facilities.

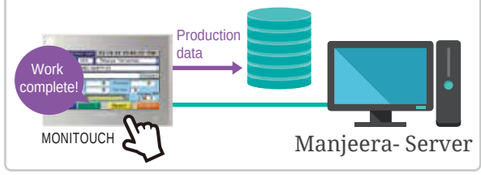
Using collected data to increase production efficiency

Obtaining on-site information in real time makes it possible to draw up appropriate and efficient production plans.



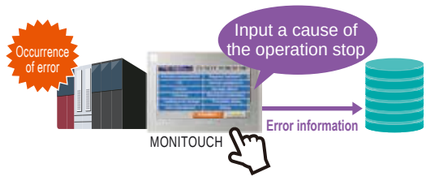
Sending reports upon completion of work

Daily reports are made automatically and accurately to reduce the burden on the production worker and errors.



Building a database of issues with ease

Data on operation stops and errors are analyzed to improve production facilities.

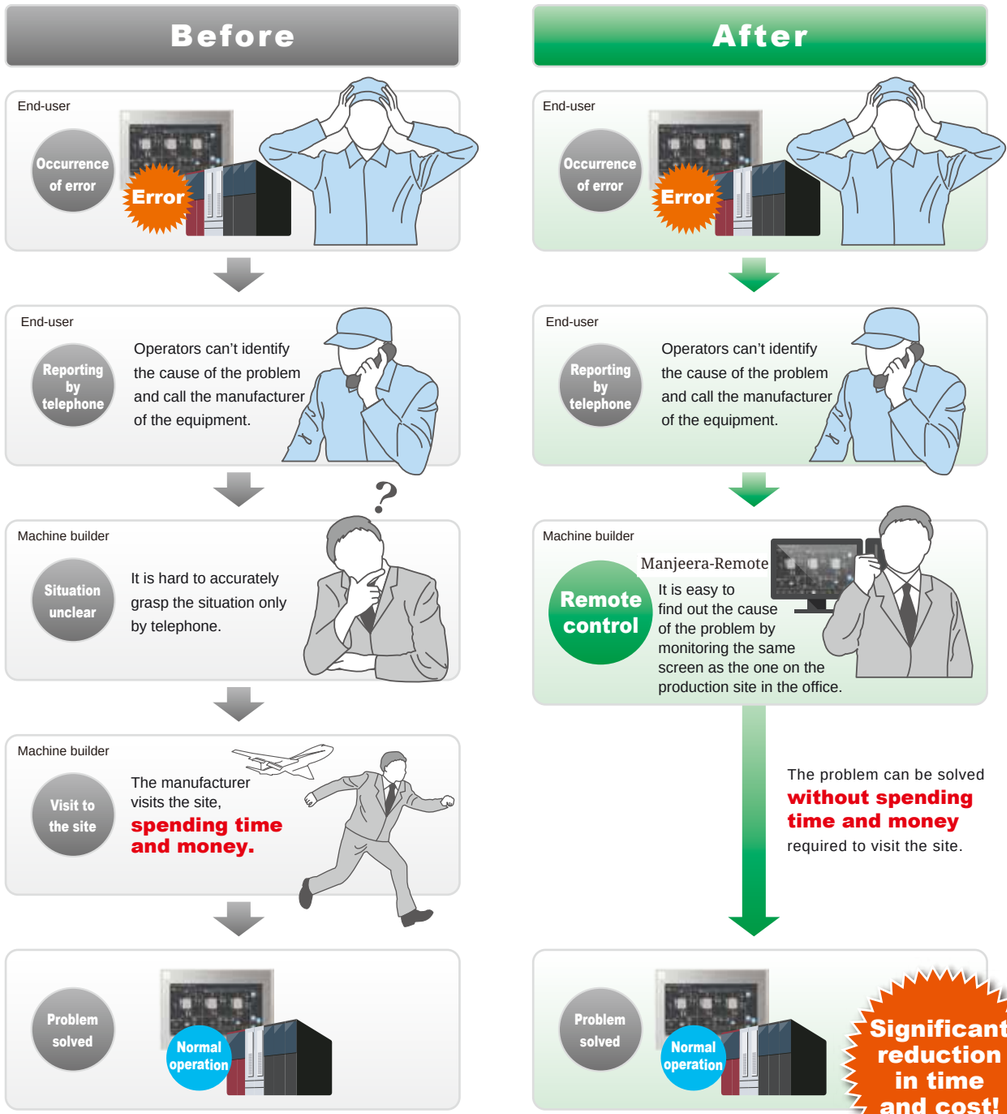


Advantages of using Manjeera Remote

“We can shorten the downtime.”

Troubleshooting in the office for quick recovery

Prompt response to problems is possible by controlling the production equipment remotely.
Production efficiency is improved by shortening downtime, and there is no need to spend the time and money required to send a person to the production site.

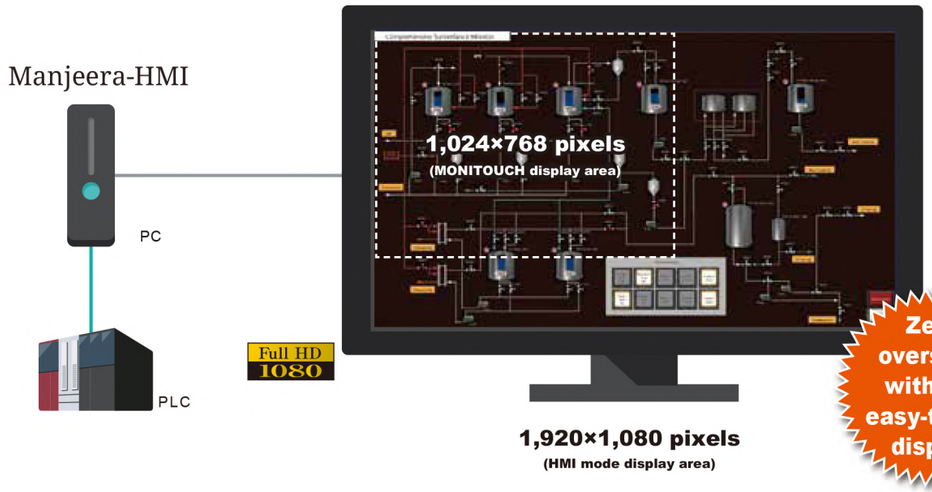


Advantages of using Manjeera-HMI

“I won’t miss a problem in production.”

An image of the entire production line can be displayed on one large screen.

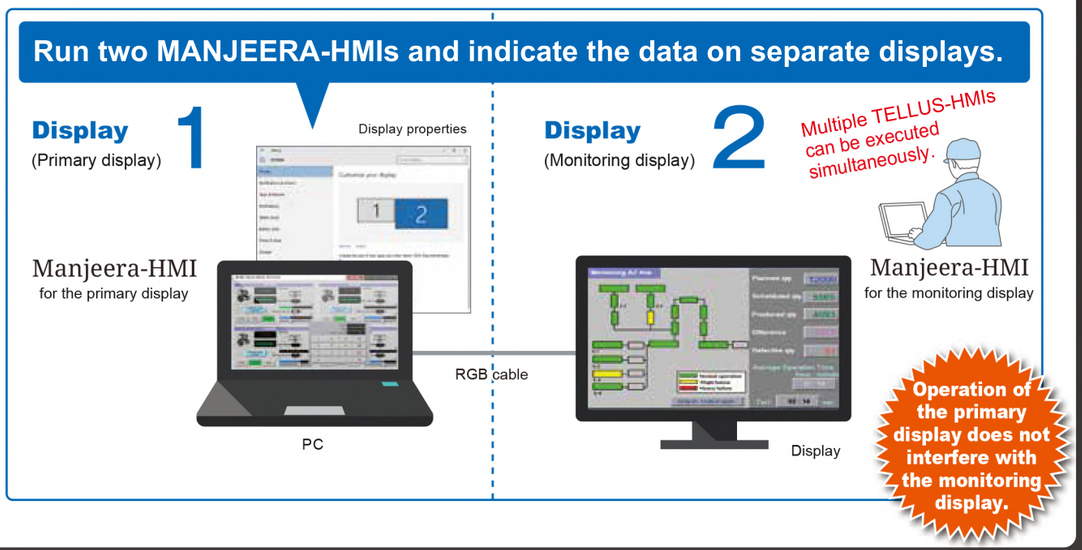
Equipping a PC with MONITOUCH functions makes it possible to have a large, full HD display.
All operation processes can be displayed on one large screen.



Additional display only for monitoring is also available.

The dedicated MANJEERA screen only for monitoring can be displayed on a large display.

Run two MANJEERA-HMIs and indicate the data on separate displays.



Applicable Models & Operating Environment

● Applicable Models

V9 series
TS2000i series
TS1000 Smart series

● Recommended Operating Environment (PC)

Please ensure the following conditions are in place for the operations of Manjeera Scada and Manjeera-Server

PC	IBM PC/ AT compatible with Windows
OS	Windows 10 (32bit, 64bit)/ 8.1 (32bit, 64bit)/ 8 (32bit, 64bit)/ 7 (32bit, 64bit)/ Vista (32bit, 64bit)/ XP/XP64 Edition/ Server 2016/ Server 2012/ Server 2008 R2
CPU	Pentium IV 1GHz or more
Memory	256MB or more (When an emulator is used, 512 MB or more)
Hard disk	When Manjeera installed: 2.5 GB or more When Manjeera-Server installed: 2.5 GB or more
Display	Resolution: XGA 1024×768 or more Colors: High Color 16 bit or more

● Configuration Software

V-SFT-6	Configuration software for MONITOUCH and MANJEERA. You can easily create your own screen program as desired.

● Recommended Operating Environment (iPad)

Applicable models Use iPads of the model and system versions shown below.

Model	System version
iPad	iPadOS13, iPadOS14

Resolution The iPad resolution differs depending on the model. Create the screen data at XGA (1024×768), then it becomes magnified on an iPad screen (same aspect ratio) automatically.

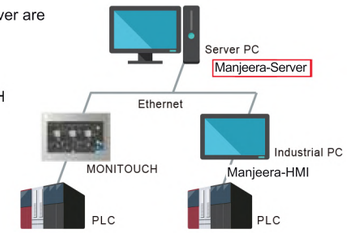
iPad model	Solution	Remarks
iPad Mini	2048×1536	iPad Mini 2 or later
iPad		iPad 3 or later
iPad Pro 10.5”	2224×1668	Incl. iPad Air 3
iPad Pro 11”	2388×1668	
iPad Pro 12.9”	2732×2048	

License Types One license is required for each device. There are five types of licenses for different uses. (License framed in red is equivalent to one license.)

1 Manjeera-Server

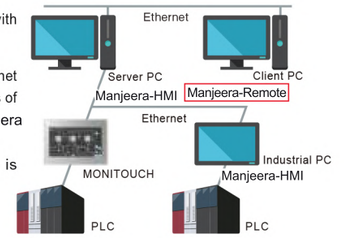
The functions of Manjeera-Server are carried out by the server PC.

- Readout/ writing of the recipe data for MONITOUCH (or Manjeera HMI)
- Alarm monitoring
- Event action
- Screen data transfer (excluding Manjeera HMI)



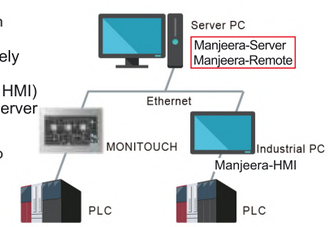
2 Manjeera-Remote

- A client PC equipped with Manjeera accesses Manjeera-Server on a server PC via Ethernet and operates the screens of MONITOUCH (or Manjeera HMI) remotely.
- HMI communication is also possible.



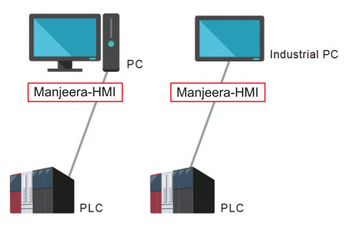
3 Manjeera Scada and Manjeera-Server

- A server PC equipped with Manjeera Scada and Manjeera-Server can remotely control the screens of MONITOUCH (or Manjeera HMI) while conducting Manjera-Server functions
- HMI communication is also possible.



4 Manjeera-HMI

- A PC (or Industrial PC) equipped with Manjeera-HMI can be connected with a PLC like MONITOUCH.



5 Manjeera-HMI iPad

- iPad performs communications equivalent to the Manjeera series* by connecting to a PLC wirelessly.

* Only models capable of Ethernet (TCP/IP) communication can connect.

License Validation There are two types of licenses: Password type and USB license type.

USB license key

- Manjeera-HMI USB Key
- Manjeera-Remote USB Key
- Manjeera and V-Server USB Key

Password validation

- Manjeera-HMI/ Manjeera-HMI iPad
- Manjeera-Remote
- Manjeera Scada and Manjeera-Server
- Manjeera-Server

License Validation

License validation is restricted to one license per device. There are five types of licenses, one for each function (See above). Check the type of license for the function(s) you wish to use it for.

Note*: When reinstalling the application software on the same computer, the same password is valid. However, if you initialize the OS or change the device to use the application software, the password becomes invalid. In this case, you must go through the license validation procedure again to get a new password.
*Excluding the cases of using a USB license key

PLC models compatible with MANJEERA

As of July 2021

Manufacturer	Models	V9 series V8 series TS2060i	TS2060	V7 series	Manjeera Ver.4				Manjeera Ver.3		
					Manjeera HMI		Manjeera HMI iPad	Manjeera Remote & Manjeera Server	Manjeera HMI		Manjeera Remote & Manjeera Server
					1:1	1:n	1:1/1:n		1:1	1:n	
Fuji Electric	MICREX-F series	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	MICREX-F series V4 Compatible	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	MICREX-F Tlink	✓	-	✓	-	-	-	✓	-	-	✓ *16
	MICREX-F Tlink V4 Compatible	✓	-	✓	-	-	-	✓	-	-	-
	SPB(N mode)&FLEX-PC series	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	SPB(N mode)&FLEX-PC CPU	✓	✓	✓	✓	-	-	✓	✓	-	✓
	FLEX-PC COM(T)	-	-	✓	-	-	-	-	-	-	-
	FLEX-PC(T)	-	-	✓	-	-	-	-	-	-	-
	FLEX-PC CPU(T)	-	-	✓	-	-	-	-	-	-	-
	FLEX-PC(OPCN-1)	-	-	✓	-	-	-	-	-	-	-
	MICREX-SX(Tlink)	✓	-	✓ *12	-	-	-	✓ *3	-	-	✓ *3.12.16
	MICREX-SX(OPCN-1)	✓ *12	-	✓ *12	-	-	-	✓ *3.12	-	-	✓ *3.12.16
	MICREX-SX(SX bus)	✓	-	✓ *12	-	-	-	✓ *3	-	-	✓ *3.12.16
	MICREX-SX SPH/SPB/SPM/SPE/SPF series	✓	✓	✓ *12	✓	-	-	✓ *3	✓ *12	-	✓ *3.12
	MICREX-SX SPH/SPB/SPM/SPE/SPF CPU	✓	✓	✓ *12	✓	-	-	✓ *3	✓ *12	-	✓ *3.12
	MICREX-SX(Ethernet)	✓	-	✓ *12	✓	✓	✓	✓ *3	✓ *12	✓ *12	✓ *3.12
Adept	AAC Protocol	-	-	✓	-	-	-	-	-	-	-
Allen-Bradley	PLC-5	✓	✓	✓	✓	✓	-	✓	-	-	-
	PLC-5(Ethernet)	✓	-	✓	✓	✓	✓	✓	-	-	-
	SLC500	✓	✓	✓	✓	✓	-	✓	✓	-	✓
	SLC500(Ethernet TCP/IP)	✓	-	✓	✓	✓	✓	✓	-	-	-
	NET-ENI(SLC500 Ethernet TCP/IP)	✓	-	✓	✓	✓	✓	✓	-	-	-
	NET-ENI(MicroLogix Ethernet TCP/IP)	✓	-	-	✓	✓	✓	✓	-	-	-
	Micro Logix	✓	✓	✓	✓	✓	-	✓	✓	-	✓
	Micro Logix(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	✓	✓	-	✓
	Control Logix/Compact Logix	✓	✓	✓	✓	-	-	✓ *2	✓	-	✓ *2
	Control Logix(Ethernet)	✓	-	✓	✓	✓	✓	✓ *2	✓	✓	✓ *2
	Micro800 Controllers	✓	✓	-	✓	-	-	✓ *2	✓	-	✓ *2
	Micro800 Controllers(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	✓ *2	✓	✓	✓ *2
Automationdirect	Direct LOGIC	-	-	✓	-	-	-	-	-	-	-
	Direct LOGIC(K-Sequence)	✓	✓	✓	✓	-	-	✓	-	-	-
	Direct LOGIC(Ethernet UDP/IP)	✓	-	✓	✓	✓	-	✓	-	-	-
	Direct LOGIC(Modbus RTU)	✓	✓	✓	✓	✓	-	✓	✓	-	✓
Azbil	MX series	✓	✓	✓	✓	✓	-	✓	-	-	-
	DMC50(CTRL)	*9	*9	✓	-	-	-	-	-	-	-
Baldor	Mint	-	-	✓	-	-	-	-	-	-	-
Baumuller	BMx-x-PLC	✓	✓	✓	✓	-	-	✓	-	-	-
Beckhoff	ADS Protocol(Ethernet)	✓	-	-	✓	✓	✓	✓	✓	✓	✓
	Tag ADS Protocol(Ethernet)	✓	-	-	✓	✓	✓	✓	-	-	-
CIMON	BP Series	✓	✓	-	✓	-	-	✓	-	-	-
	CP Series	✓	✓	-	✓	-	-	✓	-	-	-
	XP Series	✓	✓	-	✓	-	-	✓	-	-	-
	S Series	✓	✓	-	✓	✓	-	✓	-	-	-
	S Series(Ethernet)	✓	-	-	✓	✓	✓ *21	✓	-	-	-
	CP3E	✓	✓	-	✓	-	-	✓	-	-	-
DELTA	DVP series	✓	✓	✓	✓	✓	-	✓	✓	-	✓
	DVP-SE(MODBUS ASCII)	✓	✓		✓	✓	-	✓	-	-	-
	DVP-SE(MODBUS TCP/IP)	✓	-		✓	✓	✓	✓	-	-	-
EATON Cutler-Hammer	ELC	✓	✓	✓	✓	✓	-	✓	✓	-	✓
EMERSON	EC10/EC20/EC20H (MODBUS RTU)	✓	✓	-	✓	✓	-	✓	-	-	-
FANUC	Power Mate	✓	✓	✓	✓	-	-	✓	-	-	-
FATEK AUTOMATION	FACON FB series	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
FESTO	FEC	✓	✓	✓	✓	✓	-	✓	-	-	-
FUFENG	APC Series Controller	✓	✓	-	✓	✓	-	✓	-	-	-
GE Fanuc	90 series	✓	✓	✓	✓	✓	-	✓	-	-	-
	90 series(SNP-X)	✓	✓	✓	✓	-	-	✓	-	-	-
	90 series(SNP)	✓	✓	-	✓	✓	-	✓	-	-	-
	90 series(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	✓	-	-	-
	RX3i(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	✓	-	-	-
Hitachi	HIDIC-S10/2alpha,S10mini	✓	✓	✓	✓	-	-	✓	✓	-	✓
	HIDIC-S10/2alpha,S10mini(Ethernet)	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
	HIDIC-S10/4alpha	✓	✓	✓	✓	-	-	✓	-	-	-
	HIDIC-S10/ABS	✓	-	✓	✓	-	-	✓	-	-	-
	HIDIC-S10(OPCN-1)	✓	-	✓	-	-	-	✓	-	-	-
	HIDIC-S10V	✓	✓	✓	✓	-	-	✓	-	-	-
	HIDIC-S10V(Ethernet)	✓	-	✓	✓	✓	✓	✓	-	-	-
Hitach Industrial Equipement Systems	HIDIC-H	✓	*15	✓	✓	✓	-	✓	✓	-	✓
	HIDIC-H (Ethernet)	✓	-	✓	✓	✓	-	✓	-	-	-
	HIDIC-EHV	✓	✓	✓	✓	✓	-	✓	✓	-	✓
	HIDIC-EHV(Ethernet)	✓	-	✓	✓	✓	-	✓	✓	-	✓
Honeywell	Universal Modbus RTU	-	-	✓	-	-	-	-	-	-	-
	Universal Modbus TCP/IP(Ethernet)	-	-	✓	-	-	-	-	-	-	-
HYUNDAI	Hi5 Robot(MODBUS RTU)	✓	✓	-	✓	✓	-	✓	-	-	-
	Hi4 Robot(MODBUS RTU)	✓	✓	-	✓	✓	-	✓	-	-	-
IDEC	MICRO3	✓	✓	✓	✓	✓	-	✓	✓	-	✓
	MICRO Smart	✓	✓	✓	✓	✓	-	✓	✓	-	✓
	MICRO Smart Pentra	✓	✓	-	✓	✓	-	✓	-	-	-
	MICRO Smart(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	✓	-	-	-
Jetter	JetControl Series2/3(Ethernet UDP/IP)	✓ *17	-	-	-	-	-	-	-	-	-
JTEKT	TOYOPUC	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	TOYOPUC(Ethernet)	✓	-	✓	✓	✓	-	✓	✓	✓	✓
	TOYOPUC(Ethernet PC10Mode)	✓	-	-	✓	✓	-	✓	✓	✓	✓
	TOYOPUC-Plus	✓	✓	-	✓	✓	-	✓	-	-	-
	TOYOPUC-Plus(Ethernet)	✓	-	-	✓	✓	✓ *21	✓	-	-	-
	TOYOPUC-Nano(Ethernet)	✓	-	-	✓	✓	✓ *21	✓	-	-	-
KEYENCE	KZ series link	✓	✓	✓	✓	✓	-	✓	-	-	-
	KZ-A500 CPU	✓	✓	✓	✓	-	-	✓	-	-	-
	KZ/KV series CPU	✓	✓	✓	✓	-	-	✓	-	-	-
	KZ24/300 CPU	✓	✓	✓	✓	-	-	✓	-	-	-
	KV10/24 CPU	✓	✓	✓	✓	-	-	✓	✓	-	✓
	KV-700	✓	✓	✓	✓	-	-	✓	✓	-	✓
	KV-700(Ethernet UDP/IP)	-	-	✓	-	-	-	-	-	-	-
	KV-700(Ethernet TCP/IP)	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
	KV-1000	✓	✓	✓	✓	-	-	✓	✓	-	✓
	KV-1000(Ethernet TCP/IP)	✓	-	✓	✓	✓	✓	✓	✓	-	✓
	KV-3000/5000	✓	✓	-	✓	-	-	✓	✓	-	✓
	KV-3000/5000(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	✓	✓	-	-
	KV-7000/8000(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	✓	-	-	-
	KV Nano	✓	✓	-	✓	-	-	✓	-	-	-
	KV Nano(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	✓	-	-	-
KOYO ELECTRONICS	SU/SG	✓	✓	✓	✓	✓	-	✓	-	-	-
	SR-T	-	-	✓	-	-	-	-	-	-	-
	SR-T(K prt)	✓	✓	✓	✓	-	-	✓	-	-	-
	SU/SG(K-Sequence)	✓	✓	✓	✓	-	-	✓	-	-	-
	SU/SG(Modbus RTU)	✓	✓	✓	✓	✓	-	✓	✓	-	✓
LS	MASTER-K10/60/200	-	-	✓	-	-	-	-	-	-	-
	MASTER-K500/1000	-	-	✓	-	-	-	-	-	-	-
	MASTER-KxxxS	✓	✓	✓	✓	-	-	✓	✓	-	✓
	MASTER-KxxxS CNET	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	MASTER-K series(Ethernet)	✓	-	✓	✓	✓	✓ *21	✓	-	-	-
	GLOFA CNET	✓	✓	✓	✓	✓	-	✓	-	-	-
	GLOFA GM7 CNET	✓	✓	-	✓	✓	-	✓	-	-	-
	GLOFA GM series CPU	✓	✓	✓	✓	-	-	✓	-	-	-
	GLOFA GM series(Ethernet UDP/IP)	✓	-	✓	✓	✓	-	✓	-	-	-
	GLOFA GMR series(Ethernet)	-	-	✓	-	-	-	-	-	-	-
	XGT/XGK series CNET	✓	✓	✓	✓	✓	-	✓	-	-	-
	XGT/XGK series CPU	✓	✓	✓	✓	-	-	✓	-	-	-
	XGT/XGK series(Ethernet)	✓	-	✓	✓	✓	✓ *21	✓	✓	✓	✓
	XGT/XGI series CNET	✓	✓	-	✓	✓	-	✓	✓	✓	✓
	XGT/XGI series CPU	✓	✓	-	✓	-	-	✓	✓	✓	✓
	XGT/XGI series(Ethernet)	✓	-	-	✓	✓	✓ *21	✓	✓	✓	✓
MITSUBISHI ELECTRIC	A series link	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	A series CPU	✓	✓	✓	✓	-	-	✓	✓	-	✓
	A series(OPCN-1)	✓	-	✓	-	-	-	✓	-	-	-
	QnA series link	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	QnA series CPU	✓	✓	✓	✓	-	-	✓	✓	-	✓
	QnA series(Ethernet)	✓	-	✓	✓	✓	-	✓	✓	✓	✓
	QnH(Q) series link	✓	✓	✓	✓	✓	-	✓	✓	-	✓
	QnH(A) series CPU	✓	✓	✓	-	-	-	✓	-	-	-
	QnH(Q) series CPU	✓	✓	✓	✓	-	-	✓	✓	-	✓
	QnU series CPU	✓	✓	✓ *6	✓	-	-	✓	✓ *6	-	✓
	Q00J/00/01 CPU	✓	✓	✓	✓	-	-	✓	✓	-	✓
	QnH(Q) series(Ethernet)	✓	-	✓	✓	✓	-	✓	✓	✓	✓
	QnH(Q) series link (Multi CPU)	✓	✓	✓	✓	✓	-	✓	✓	-	✓
	QnH(Q) series (Multi CPU) (Ethernet)	✓	-	✓	✓	✓	-	✓	✓	-	✓
	QnH(Q) series CPU (Multi CPU)	✓	✓	✓	✓	-	-	✓	✓	-	✓
	QnH(Q) series(Ethernet ASCII)	✓	-	-	✓	✓	-	✓	-	-	-
	QnH(Q) series (Multi CPU) (Ethernet ASCII)	✓	-	-	✓	✓	-	✓	-	-	-
	QnU series(Built-in Ethernet)	✓	-	✓	✓	✓	✓ *21	✓	✓	✓	✓
	QnU series (Multi CPU) (Built-in Ethernet)	✓ *18	-	-	✓	✓	✓ *21	✓	-	-	-

✓: Supported - : Not supported Note 1:Manjeera HMI does not support Multi-link or Multi-link2 connection. Note 2: PLC_CTL macro command is not available for Remote mode. * 1: Drivers that do not support 1:1 communication, the message "Remote mode not supported" is prompted. In such case, force to proceed. * 2: In case Event Setting in Manjeera -Server is "Trigger: Memory, Type: Bit", upper bits in a double-word (bit 16 to 31) are not available. * 3: Monitoring STRING type is not available. * 4: Only RS-422 supported. * 5: In case Event Setting in Manjeera-Server is "Trigger: Memory, Type: Word", even double-word device is processed in word unit. * 6: For Q10UDH/Q13UDH/Q20UDH/Q26UDH, connection to RS232C port on the CPU is not supported.

Manufacturer	Models	V9 series V8 series TS2060i	TS2060	V7 series	Manjeera Ver.4				Manjeera Ver.3		
					Manjeera HMI		Manjeera HMI iPad	Manjeera Remote & Manjeera Server	Manjeera HMI		Manjeera Remote & Manjeera Server
					1:1	1:n	1:1/1:n		1:1	1:n	
MITSUBISHI ELECTRIC	L series link	✓	✓	-	✓	✓	-	✓	✓	✓	✓
	L series(Built-in Ethernet)	✓	-	-	✓	✓	✓ *21	✓	✓ *13	✓ *13	✓ *13
	L series CPU	✓	✓	-	✓	-	-	✓	-	-	-
	A series(CC-LINK)	✓	-	✓	-	-	-	✓	-	-	-
	QnA series(CC-LINK)	✓	-	✓	-	-	-	✓	-	-	-
	QnH(Q) series(CC-LINK)	✓	-	✓	-	-	-	✓	-	-	-
	FX series CPU	✓	-	✓	✓	-	-	✓	-	-	-
	FX2N/1N series CPU	✓	✓	✓	✓	-	-	✓	✓	-	✓
	FX1S series CPU	✓	✓	✓	✓	-	-	✓	-	-	-
	FX series link(A-prt)	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	FX3U/3UC/3G series CPU	✓	✓	✓	✓	-	-	✓	✓	-	✓
	FX3U/3GE series (Ethernet)	✓	-	-	✓	✓	-	✓	✓	✓	✓
	FX3U/3UC/3G series link (A-prt)	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	FX5U/5UC series	✓	✓	-	✓	✓	-	✓	-	-	-
	FX5U/5UC series (Ethernet)	✓	-	-	✓	✓	✓ *21	✓	-	-	-
	Net10	-	-	✓	-	-	-	-	-	-	-
	Alink+Net10	✓	✓	✓	✓	✓	-	✓	-	-	-
	Q170MCPU(Multi CPU)	✓	✓	-	✓	-	-	✓	-	-	-
	Q170 series(Multi CPU)(Ethernet)	✓	-	-	✓	✓	✓ *21	✓	-	-	-
	iQ-R seires (Built-in Ethernet)	✓	-	-	✓	✓	✓ *21	✓	✓	✓	✓
	iQ-R seires link	✓	✓	-	✓	✓	-	✓	✓	✓	✓
	iQ-R seires(Ethernet)	✓	-	-	✓	✓	✓ *21	✓	✓	✓	✓
MODICON	Modbus RTU	✓	✓	✓	✓	-	-	✓	-	-	-
MOELLER	PS4	✓	✓	✓	✓	-	-	✓	-	-	-
OMRON	SYSMAC C	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	SYSMAC C(OPCN-1)	✓	-	✓	-	-	-	✓	-	-	-
	SYSMAC CV	✓	✓	✓	✓	✓	-	✓	-	-	-
	SYSMAC CS1/CJ1/CJ2	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	SYSMAC CS1/CJ1/CJ2 DNA	✓	✓	✓	✓	✓	-	✓	-	-	-
	SYSMAC CS1/CJ1/CJ2/CP Series(Ethernet)	✓	-	✓	✓	✓	-	✓	✓ *19.20	✓ *19.20	✓ *20
	SYSMAC CS1/CJ1/CJ2/CP Series(Ethernet Auto)	✓	-	✓	✓	✓	-	✓ *7	✓ *19.20	✓ *19.20	✓ *7.20
	SYSMAC CS1/CJ1/CJ2/CP Series DNA(Ethernet)	✓	-	✓	✓	✓	-	✓	-	-	-
	NJ Series(EtherNet/IP)	✓	-	-	✓	✓	✓	✓	-	-	-
Panasonic	FP Series(RS232C/422)	✓	✓	✓	✓	✓	-	✓ *2.5	✓	✓	✓ *2.5
	FP Series(TCP/IP)	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
	FP Series(UDP/IP)	✓	-	✓	✓	✓	-	✓	✓	✓	✓
	FP-X(TCP/IP)	✓	-	-	✓	✓	✓	✓	✓	✓	✓
	FP7 Series(RS232C/422)	✓	✓	-	✓	✓	-	✓	✓	✓	✓
	FP7 Series(Ethernet)	✓	-	-	✓	✓	✓ *21	✓	✓	✓	✓
RS Automation	NX7/NX Plus Series(70P/700P/CCU+)	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	N7/NX Series(70/700/750/CCU)	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	NX700 Series(Ethernet)	✓	-	-	✓	✓	✓ *21	✓	✓	✓	✓
	X8 Series	✓	✓	-	✓	✓	-	✓	✓	✓	✓
	X8 Series(Ethernet)	✓	-	-	✓	✓	✓	✓	✓	✓	✓
SAIA	PCD	✓	✓	✓	-	-	-	✓	-	-	✓
	PCD S-BUS(Ethernet)	✓	-	✓	✓	✓	-	✓	-	-	-
SAMSUNG	SPC series	✓	✓	✓	✓	✓	-	✓	-	-	-
	N_plus	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	SECNET	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
SHARP	JW series	✓	✓	✓	✓	✓	-	✓	✓	✓	-
	JW100/70H COM port	✓	✓	✓	✓	-	-	✓	-	-	-
	JW20 COM port	✓	✓	✓	✓	-	-	✓	-	-	-
	JW(FL-Net)	-	-	✓	-	-	-	-	-	-	-
	JW series(Ethernet)	✓	-	✓	✓	✓	-	✓	✓	✓	-
	JW300 series	✓	✓	✓	✓	✓	-	✓	-	-	-
	JW311/312/321/322 series(Ethernet)	✓	-	✓	✓	✓	-	✓	✓	✓	-
	JW331/332/341/342/352/362 series(Ethernet)	✓	-	✓	✓	✓	-	✓	✓	✓	-
SINFONIA TECHNOLOGY	SELMART	✓	✓	✓	✓	✓	-	✓	-	-	-
Siemens	S5	-	-	✓	-	-	-	-	-	-	-
	S5 PG port	✓	✓	✓	✓	✓	-	✓ *8	-	-	-
	S5 V4 Compatible	-	-	✓	-	-	-	-	-	-	-
	S7	✓	✓	✓	✓	-	-	✓ *8	-	-	-
	S7-200 PPI	✓	✓	✓	-	-	-	✓ *8	-	-	✓ *8
	S7-200(Ethernet ISOTCP)	✓	-	-	✓	✓	✓	✓ *8	-	-	-
	S7-300/400MPI	✓	✓	✓	-	-	-	✓ *8	-	-	✓ *8
	S7-300MPI(V-MPI)	-	-	✓	-	-	-	-	-	-	-
	S7-300MPI(HMI ADP)	-	-	✓	-	-	-	-	-	-	-
	S7-300MPI(PC ADP)	-	-	✓	-	-	-	-	-	-	-
	S7-300MPI(Helmholz SSW7 ADP)	-	-	✓	-	-	-	-	-	-	-
	S7-300/400(Ethernet ISOTCP)	✓	-	✓	✓	✓	✓	✓ *8	✓	✓	✓ *8
	S7-300/400(Ethernet TCP/IP PG protocol)	✓	-	✓	✓	✓	✓	✓ *8	✓	✓	✓ *8
	S7-400(Multi CPU) (Ethernet TCP/IP PG protocol)	-	-	✓	-	-	-	-	-	-	-
	S7-1200/1500(Ethernet ISOTCP)	✓	-	✓	✓	✓	✓	✓ *8	✓	✓	✓ *8
	S7-1200/1500 Tag(Ethernet ISOTCP)	✓	-	-	✓	✓	✓	✓ *8	-	-	-
	S7 CPU319 (Ethernet)	-	-	✓	-	-	-	-	-	-	-
	LOGO!(Ethernet ISOTCP)	✓	-	-	✓	✓	✓	✓ *8	-	-	-
	S7 PROFIBUS-DP	✓	-	✓	-	-	-	✓ *8	-	-	✓ *8.16
	TI500/505	✓	✓	✓	✓	✓	-	✓ *8	-	-	-
	TI500/505 V4 Compatible	✓	✓	✓	✓	✓	-	✓ *8	-	-	-
TAIAN	TP02	-	-	✓	-	-	-	-	-	-	-
TECO	TP03(MODBUS RTU)	✓	✓	-	✓	✓	-	✓	✓	✓	✓
Telemecanique	TSX Micro	✓	✓	✓	-	-	-	✓	-	-	-
TOSHIBA	T series	*14	*14	✓	-	-	-	-	-	-	-
	T series/V series(T compatible)	✓	✓	-	✓	✓	-	✓	-	-	-
	T series/V series(T compatible)(Ethernet UDP/IP)	✓	-	✓	✓	✓	-	✓	-	-	-
	EX series	✓	✓	✓	✓	✓	-	✓	-	-	-
	nv series(Ethernet UDP/IP)	✓	-	-	✓	✓	-	✓	-	-	-
TOSHIBA MACHINE	TC200	✓	✓	✓	✓	✓	-	✓	-	-	-
TOYO DENKI	μGPCsx(OPCN-1)	✓	-	✓	-	-	-	✓	-	-	-
	μGPCsx(SX bus)	✓	-	✓	-	-	-	✓	-	-	-
	μGPCsx series	✓	✓	✓	✓	-	-	✓	-	-	-
	μGPCsx CPU	✓	✓	✓	✓	-	-	✓	-	-	-
	μGPCsx series(Ethernet)	✓	-	✓	✓	✓	✓	✓	-	-	-
TURCK	BL Series Distributed I/O(MODBUS TCP/IP)	✓	-	-	✓	✓	✓	✓	-	-	-
Ultra Instruments	UIC CPU(MODBUS ASCII)	✓	✓	-	✓	-	-	✓	-	-	-
UNITRONICS	M90/M91/Vision Series(ASCII)	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	Vision Series(ASCII Ethernet TCP/IP)	✓	-	-	✓	✓	✓	✓	-	-	-
VIGOR	M series	✓	✓	✓	✓	✓	-	✓	-	-	-
VIPA	MPI(RS232C Direct)	-	-	✓	-	-	-	-	-	-	-
XINJE	XC Series(MODBUS RTU)	✓	✓	-	✓	✓	-	✓	-	-	✓
Yaskawa Electric	MEMOBUS	✓	✓	✓	✓	✓	-	✓	✓	✓	✓ *10
	CP9200SH/MP900	✓	✓	✓	✓	✓	-	✓	✓	✓	✓ *10
	MP2300(MODBUS TCP/IP)	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
	CP/MP EXPANSION MEMOBUS (UDP/IP)	✓	-	✓	✓	✓	-	✓	✓	✓	✓
	MP2000 series	✓	✓	-	✓	✓	-	✓	✓	✓	✓
	MP2000 series(UDP/IP)	✓	-	-	✓	✓	-	✓	✓	✓	✓
	MP3000 series	✓	✓	-	✓	✓	-	✓	-	-	-
	MP3000 series (Ethernet UDP/IP)	✓	-	-	✓	✓	-	✓	-	-	-
	MP3000 series EXPANSION MEMOBUS (Ethernet)	✓	-	-	✓	✓	✓ *21	✓	-	-	-
Yokogawa Electric	FA500	-	-	✓	-	-	-	-	-	-	-
	FA-M3	✓	✓	✓	✓	✓	-	✓ *11	✓	✓	✓ *11
	FA-M3R	✓	✓	✓	✓	✓	-	✓ *11	✓	✓	✓ *11
	FA-M3/FA-M3R(Ethernet UDP/IP)	✓	-	✓	✓	✓	-	✓ *11	✓	✓	✓ *11
	FA-M3/FA-M3R(Ethernet UDP/IP ASCII)	✓	-	-	✓	✓	-	✓ *11	-	-	-
	FA-M3/FA-M3R(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	✓ *11	✓	✓	✓ *11
	FA-M3/FA-M3R(Ethernet TCP/IP ASCII)	✓	-	-	✓	✓	✓	✓ *11	-	-	-
	FA-M3V	✓	✓	-	✓	✓	-	✓ *11	-	-	-
	FA-M3V(Ethernet)	✓	-	-	✓	✓	✓ *21	✓ *11	-	-	-
	FA-M3V(Ethernet ASCII)	✓	-	-	✓	✓	✓ *21	✓ *11	-	-	-
	FA-M3R(FL-Net)	-	-	✓	-	-	-	-	-	-	-
WAGO	750 series(MODBUS RTU)	✓	✓	-	✓	✓	-	✓	-	-	-
	750 series(MODBUS Ethernet)	✓	-	-	✓	✓	✓ *21	✓	✓	✓	✓
3S-Smart Software Solutions	CODESYS V3(Ethernet)	✓ *18	-	-	-	-	-	-	-	-	-
Others	Universal Serial	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	FL-Net	✓	-	✓	-	-	-	✓	-	-	-
	PROFIBUS-DP	✓	-	✓	-	-	-	✓	-	-	-
	DeviceNet	✓	-	✓	-	-	-	✓	-	-	-
	EtherCAT	✓ *18	-	-	-	-	-	✓	-	-	-
	Without PLC connection	✓	✓	✓	✓	-	✓	✓	✓	-	✓
	MODBUS RTU	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
	MODBUS RTU EXT Format	✓	✓	-	✓	✓	-	✓	-	-	-
	MODBUS TCP/IP(Ethernet)	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
	MODBUS TCP/IP(Ethernet)Sub Station	✓	-	✓	✓	✓	-	✓	-	-	-
	MODBUS TCP/IP(Ethernet) EXT Format	✓	-	-	✓	✓	✓ *22	✓	-	-	-
	MODBUS ASCII	✓	✓	-	✓	✓	-	✓	-	-	-
	Modbus slave(RTU)	✓	✓	✓	✓	-	-	✓	-	-	-
	Modbus slave(TCP/IP)	✓	-	✓	✓	-	✓	✓	-	-	-
	Modbus slave(ASCII)	✓	✓	-	✓	-	-	✓	-	-	-
	V-Link	✓	✓	✓	✓	-	-	✓	-	-	-

* 7: Only "Transmission Mode 1" supported. ("Transmission Mode 2", which is signed BCD, is not supported.) * 8: PLC memory is not available when Event Setting in V-Server is "Trigger: Memory, Type: Bit". * 9: Integrated to DMC50(COM). * 10: Only "Transmission Mode 2" supported. * 11: PLC_ULR macro command is not supported. * 12: SPH3000MM/SPH5000M is not supported. * 13: SPU device is not supported. * 14: Integrated to T series/V series(T compatible). * 15: RS-232C connection not supported. * 16: Only i series supported. * 17: V9 series not supported. * 18: Only V9 series supported. * 19: When using EMn (extended data memory), specify the bank number 0 to C (HEX). * 20: CP serires is not supported. * 21: Select "LAN(TCP)" for [Target Port No.] in the [Connection Device Selection] settings. * 22: Sub Station is not supported.

Temperature controllers, Servos and Inverters compatible with MANJEERA

Manufacturer	Models	V9 series V8 series TS2060i	TS2060	V7 series	Manjeera Ver.4			Manjeera Ver.3	
					Manjeera HMI	Manjeera HMI iPad	Manjeera-Remote & Manjeera-Server	Manjeera HMI	Manjeera-Remote & Manjeera-Server
Fuji Electric	PYX(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	PYH	-	-	✓	-	-	-	-	-
	PXR(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	PXF(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	PXG(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	PXH(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	PUM(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	F-MPC04P(Loader)	✓	✓	✓	✓	-	✓	-	-
	F-MPC Series /FePSU	✓	✓	✓	✓	-	✓	-	-
	FVR-E11S	✓	✓	✓	✓	-	✓	-	-
	FVR-E11S(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	FVR-C11S	-	-	✓	-	-	-	-	-
	FVR-C11S(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	FRENIC5000G11S/P11S	✓	✓	✓	✓	-	✓	-	-
	FRENIC5000G11S/P11S(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	FRENIC5000VG7S	-	-	✓	-	-	-	-	-
	FRENIC5000VG7S(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	FRENIC-Ace(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	FRENIC-Eco(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	FRENIC-HVAC/AQUA(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	FRENIC MEGA(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	FRENIC MEGA SERVO(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	FRENIC-Mini(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	FRENIC-Multi(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	FRENIC-VG1(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	FRENIC Series (Loader)	✓	✓	-	✓	-	✓	-	-
	HFR-C9K	✓	✓	✓	✓	-	✓	-	-
	HFR-C11K	✓	✓	✓	✓	-	✓	-	-
	HFR-K1K	✓	✓	-	✓	-	✓	-	-
	PPMC(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	FALDIC-alpha series	✓	✓	✓	✓	-	✓	-	-
	FALDIC-W series	✓	✓	✓	✓	-	✓	-	-
	PH series	✓	✓	✓	✓	-	✓	-	-
	PHR(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	WA5000	✓	✓	✓	✓	-	✓	-	-
	APR-N(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	ALPHA5 (MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	ALPHA5 Smart (MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	ALPHA7 (MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	WE1MA(Ver.A)(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	WE1MA(Ver.B)(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	WSZ series	✓	✓	-	✓	-	✓	✓	✓
	WSZ series(Ethernet)	✓	-	-	✓	✓ *3	✓	-	-
Agilent	4263 Series	✓	✓	-	✓	-	✓	-	-
Azbil	SDC10	✓	✓	✓	✓	-	✓	-	-
	SDC15	✓	✓	-	✓	-	✓	-	-
	SDC20	✓	✓	✓	✓	-	✓	-	-
	SDC21	✓	✓	✓	✓	-	✓	-	-
	SDC25/26	✓	✓	-	✓	-	✓	-	-
	SDC30/31	✓	✓	✓	✓	-	✓	-	-
	SDC35/36	✓	✓	✓	✓	-	✓	-	-
	SDC45/46	✓	✓	-	✓	-	✓	-	-
	SDC40A	✓	✓	✓	✓	-	✓	-	-
	SDC40G	✓	✓	✓	✓	-	✓	-	-
	DMC10	✓	✓	✓	✓	-	✓	-	-
	DMC50(CTRL)	*1	*1	✓	*1	-	*1	-	-
	DMC50(COM)	✓	✓	✓	✓	-	✓	-	-
	AHC2001	✓	✓	✓	✓	-	✓	-	-
	AHC2001+DCP31/32	✓	✓	✓	✓	-	✓	-	-
	DCP31/32	✓	✓	✓	✓	-	✓	-	-
	NX(CPL)	✓	✓	-	✓	-	✓	-	-
	NX(Modbus RTU)	✓	✓	-	✓	-	✓	-	-
	NX(Modbus TCP/IP)	✓	-	-	✓	✓	✓	-	-
A&D	AD4402(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	AD4404(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
Banner	PresencePLUS(Ethernet/IP(TCP/IP))	✓	-	-	✓	✓	✓	-	-
Bosch Rexroth	IndraDrive	✓	✓	-	✓	-	✓	-	-
CHINO	DZ1000(MODBUS RTU)	-	-	✓	-	-	-	-	-
	DZ2000(MODBUS RTU)	-	-	✓	-	-	-	-	-
	KP1000	-	-	✓	-	-	-	-	-
	LT400 Series(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	DP1000	✓	✓	✓	✓	-	✓	-	-
	DB1000	-	-	✓	-	-	-	-	-
	DB1000B(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	KR2000(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	LT230(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	LT300(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	LT830(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
Danfoss	VLT series	-	-	✓	-	-	-	-	-
DELTA TAU DATA SYSTEMS	PMAC	✓	✓	✓	✓	-	✓	-	-
	PMAC(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	-	-
EUROTHERM	2400 series (MODBUS RTU)	-	-	✓	-	-	-	-	-
FATEK AUTOMATION	FACON FBs series(Ethernet)	✓	-	-	✓	✓ *3	✓	-	-
Gammaflux	TTC2100	✓	✓	✓	✓	-	✓	-	-
	G24(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	-	-
HBM	FIT/5 /AD103	-	-	✓	-	-	-	-	-
Hitachi Industrial Equipment Systems	SJ300 series	✓	✓	✓	✓	-	✓	-	-
	SJ700 series	✓	✓	-	✓	-	✓	-	-
	L300P series	-	-	✓	-	-	-	-	-
	SJ Series P1(MODBUS RTU)	✓	✓		✓	-	✓	-	-
Honeywell	Universal Modbus RTU	-	-	✓	-	-	-	-	-
	DC1000	-	-	✓	-	-	-	-	-
IAI	Super SEL Controller	-	-	✓	-	-	-	-	-
	X-SEL Controller	✓	✓	✓	✓	-	✓	-	-
	ROBO CYLINDER(RCP2/ERC)	✓	✓	✓	✓	-	✓	-	-
	ROBO CYLINDER(RCS)	-	-	✓	-	-	-	-	-
	ROBO CYLINDER(RCS/E-CON)	✓	✓	-	✓	-	✓	-	-
	TX-C1	-	-	✓	-	-	-	-	-
	PCON/ACON/SCON(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
KEYENCE	DL-RS1A(SK-1000)	✓	✓	-	✓	-	✓	-	-
Koatsu Gas Kogyo	R-BLT	✓	✓	✓	✓	-	✓	-	-
Koganei	IBFL-TC	✓	✓	-	✓	-	✓	-	-
	ABSRCD/ABSRCX	-	-	✓	-	-	-	-	-
	ABPRC	-	-	✓	-	-	-	-	-
Lenze	Servo Drive 9400(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	-	-
LS	iSS	-	-	✓	-	-	-	-	-
	iG5	-	-	✓	-	-	-	-	-
	LGRF-H Reader	-	-	-	-	-	-	-	-
MITSUBISHI ELECTRIC	FR-*500	✓	✓	✓	✓	-	✓	-	-
	FR-V500	✓	✓	✓	✓	-	✓	-	-
	MR-J2S-*A	✓	✓	✓	✓	-	✓	-	-
	MR-J2S-*CL	✓	✓	✓	✓	-	✓	-	-
	MR-J2S-*CP	-	-	✓	-	-	-	-	-
	MR-J3-*A	✓	✓	✓	✓	-	✓	-	-
	MR-J3-*T	✓	✓	-	✓	-	✓	-	-
	MR-J4-*A	✓	✓	-	✓	-	✓	-	-
	FR-*700(MODBUS RTU)	-	-	✓	-	-	-	-	-
	FR-E700	✓	✓	-	✓	-	✓	-	-
MOOG	J124-04x series	✓	✓	✓	✓	-	✓	-	-
M-SYSTEM	R1M series (MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	R5 series (MODBUS RTU)	-	-	✓	-	-	-	-	-
NIKKI DENSO	SQB-6432B	-	-	✓	-	-	-	-	-
NITTOKU	ITS-HRW110	✓	✓	-	✓	-	✓	-	-
OHKURA	EC5500S	-	-	✓	-	-	-	-	-
	EC5800	-	-	✓	-	-	-	-	-
	EC5600S	-	-	✓	-	-	-	-	-
	EC5900A	-	-	✓	-	-	-	-	-

✓: Supported -: Not supported
Note : TEMP_CTL macro command is not available for Remote mode.
*1: Integrated to DMC50(COM). *2: V8 series not supported. *3: Select "LAN(TCP)" for [Target Port No.] in the [Connection Device Selection] settings.

As of July 2021

Manufacturer	Models	V9 series V8 series TS2060i	TS2060	V7 series	Manjeera Ver.4			Manjeera Ver.3	
					Manjeera HMI	Manjeera HMI iPad	Manjeera-Remote & Manjeera-Server	Manjeera HMI	Manjeera-Remote & Manjeera-Server
OMRON	E5AK	✓	✓	✓	✓	-	✓	-	-
	E5AK-T	✓	✓	✓	✓	-	✓	-	-
	E5AN/E5EN/E5CN/E5GN	✓	✓	✓	✓	-	✓	-	-
	E5AR/E5ER	✓	✓	✓	✓	-	✓	-	-
	E5CC/E5EC/E5AC/E5DC/E5GC	✓	✓	-	✓	-	✓	-	-
	E5CK	✓	✓	✓	✓	-	✓	-	-
	E5CK-T	✓	✓	✓	✓	-	✓	-	-
	E5CN-HT	✓	✓	-	✓	-	✓	-	-
	E5EK	✓	✓	✓	✓	-	✓	-	-
	E5EK-T	-	-	✓	-	-	-	-	-
	E5ZD	✓	✓	✓	✓	-	✓	-	-
	E5ZE	✓	✓	✓	✓	-	✓	-	-
	E5ZN	✓	✓	✓	✓	-	✓	-	-
	V600/620/680	✓	✓	✓	✓	-	✓	-	-
	3G3MV(MODBUS RTU)	-	-	✓	-	-	-	-	-
	KM20	✓	✓	-	✓	-	✓	-	-
	KM100	✓	✓	-	✓	-	✓	-	-
	V680S(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	-	-
	EJ1	✓	✓	-	✓	-	✓	-	-
Orientalmotor	High-efficiency AR Series(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	CRK Series(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
Panasonic	MINAS A4 Series	✓	✓	-	✓	-	✓	-	-
	LP-200/LP-F10	-	-	✓	-	-	-	-	-
	LP-300	-	-	✓	-	-	-	-	-
	LP-400	✓	✓	✓	✓	-	✓	-	-
	LP-V10	-	-	✓	-	-	-	-	-
	LP-W052	-	-	✓	-	-	-	-	-
	KW Series	✓	✓	-	✓	-	✓	-	-
	LP-RF series	✓ *2	✓	-	✓	-	✓	-	-
	LP-RF series(Ethernet)	✓ *2	-	-	✓	✓	✓	-	-
Parker	LVD/HPD	-	-	✓	-	-	-	-	-
RKC	SR-Mini(MODBUS RTU)	✓	✓	✓	✓	-	✓	✓	✓
	CB100/CB400/CB500/CB700/CB900(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	SR-Mini(Standard Protocol)	✓	✓	✓	✓	-	✓	-	-
	REX-F400/F700/F900(Standard Protocol)	✓	✓	✓	✓	-	✓	-	-
	REX-F9000(Standard Protocol)	✓	✓	✓	✓	-	✓	-	-
	SRV(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	REX-B800(Standard Protocol)	-	-	✓	-	-	-	-	-
	MA900/MA901(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
	SRZ(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	FB100/FB400/FB900(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
RS Automation	CSD5(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	Moscon-F50(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
SAMSUNG	MO5CON-E7	-	-	✓	-	-	-	-	-
SANKEN ELECTRIC	SAMCO-e	-	-	✓	-	-	-	-	-
	SAMCO-vm05	-	-	✓	-	-	-	-	-
SANMEI	Cuty Axis	✓	✓	✓	✓	-	✓	-	-
	Cuty Axis3	-	-	✓	-	-	-	-	-
SanRex	DC AUTO (HKD type)	✓	✓	✓	✓	-	✓	-	-
SANYO	PB1 series	-	-	✓	-	-	-	-	-
SHARP	DS-30D	✓	✓	✓	✓	-	✓	-	-
	DS-32D	✓	✓	✓	✓	-	✓	-	-
SHIMADEN	Shimaden Standard Protocol	✓	✓	✓	✓	-	✓	-	-
SHINKO TECHNOS	C Series	✓	✓	✓	✓	-	✓	-	-
	FC Series	✓	✓	✓	✓	-	✓	-	-
	GC Series	✓	✓	✓	✓	-	✓	-	-
	DCL-33A	✓	✓	✓	✓	-	✓	-	-
	JCx-300 Series	✓	✓	✓	✓	-	✓	-	-
	PC-900	✓	✓	-	✓	-	✓	-	-
	PCD-33A	✓	✓	-	✓	-	✓	-	-
	ACS-13A	✓	✓	-	✓	-	✓	-	-
	ACD/ACR Series	✓	✓	-	✓	-	✓	-	-
	WCL-13A	✓	✓	-	✓	-	✓	-	-
	PCA1 Series	✓	✓	-	✓	-	✓	-	-
SICK	DME3000	-	-	✓	-	-	-	-	-
Siemens	S120(Ethernet ISOTCP)	✓	-	-	✓	✓	✓	-	-
	MicroMaster 400	-	-	✓	-	-	-	-	-
	USS Protocol	-	-	✓	-	-	-	-	-
SUS	XA-A*	✓	✓	-	✓	-	✓	-	-
TOHO	TTM-000	✓	✓	✓	✓	-	✓	-	-
	TTM-00BT	✓	✓	-	✓	-	✓	-	-
	TTM-200(MODBUS RTU)	✓	✓	✓	✓	-	✓	-	-
TOKYO CHOKOKU PRODUCTS	MB3315/1010	✓	✓	-	✓	-	✓	-	-
TOSHIBA	VF-S7	✓	✓	✓	✓	-	✓	-	-
	VF-S9	✓	✓	✓	✓	-	✓	-	-
	VF-S11	✓	✓	✓	✓	-	✓	-	-
	VF-S15	✓	✓	-	✓	-	✓	-	-
	VF-A7	✓	✓	✓	✓	-	✓	-	-
	VF-AS1	✓	✓	✓	✓	-	✓	-	-
	VF-P7	✓	✓	✓	✓	-	✓	-	-
	VF-PS1	✓	✓	✓	✓	-	✓	-	-
	VF-FS1	✓	✓	✓	✓	-	✓	-	-
	VF-MB1	✓	✓	-	✓	-	✓	-	-
	VF-nC1	✓	✓	✓	✓	-	✓	-	-
	VF-nC3	✓	✓	-	✓	-	✓	-	-
TOSHIBA MACHINE	VELCONIC Series	✓	✓	-	✓	-	✓	-	-
ULVAC	G-TRAN Series	✓	✓	-	✓	-	✓	-	-
UNIPULSE	F340A	✓	✓	✓	✓	-	✓	-	-
	F371	✓	✓	✓	✓	-	✓	-	-
	F600	-	-	✓	-	-	-	-	-
	F800	✓	✓	✓	✓	-	✓	-	-
	F720A	✓	✓	-	✓	-	✓	-	-
	F805A	✓	✓	-	✓	-	✓	-	-
YAMAHA	RCX142	✓	✓	✓	✓	-	✓	-	-
	SRCD/SRCX	-	-	✓	-	-	-	-	-
	PRC	-	-	✓	-	-	-	-	-
Yaskawa Electric	VS mini V7 series	-	-	✓	-	-	-	-	-
	E-POSI series	-	-	✓	-	-	-	-	-
	DX200(High-Speed Ethernet)	✓	-	-	✓	-	✓	-	-
Yokogawa Electric	UT100	✓	✓	✓	✓	-	✓	-	-
	UT750	✓	✓	✓	✓	-	✓	-	-
	UT550	✓	✓	✓	✓	-	✓	-	-
	UT520	✓	✓	✓	✓	-	✓	-	-
	UT350	✓	✓	✓	✓	-	✓	-	-
	UT320	✓	✓	✓	✓	-	✓	-	-
	UT2400/2800	✓	✓	✓	✓	-	✓	-	-
	UT450	✓	✓	-	✓	-	✓	-	-
	UP350	-	-	✓	-	-	-	-	-
	UP550	-	-	✓	-	-	-	-	-
	UP750	-	-	✓	-	-	-	-	-
	UM330	-	-	✓	-	-	-	-	-
	UM350	-	-	✓	-	-	-	-	-
	UT32A/35A(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	UT52A/55A(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	UT75A(MODBUS RTU)	✓	✓	-	✓	-	✓	-	-
	μR10000/20000(Ethernet TCP/IP)	✓	-	-	✓	✓	✓	-	-
Others	MODBUS RTU	✓	✓	-	✓	-	✓	✓	✓
	MODBUS TCP/IP (Ethernet)	✓	-	-	✓	✓	✓	✓	✓
	General AE-LINK	✓	✓	-	-	-	-	-	-
	Modbus Free	-	-	✓	-	-	-	-	-