

Product Discontinuation

Programmable Logic Controllers

**3G8F7-CLK13-E
3G8F7-CLK23-E
3G8F7-CLK53-E****Recommended Replacement****No recommended replacement****[Final order entry date]**

The end of June, 2024.

(The final order entry date may be effective earlier when the order reaches the limited number.)

[Date of The Last Shipping]

The end of March, 2025.

[Scheduled date of maintenance close]

The end of September, 2031.

(The final maintenance close date may be effective earlier when the maintenance parts reaches the limited number.)

[Product Discontinuation and recommended replacement]

| Product discontinuation | Recommended replacement |
|-------------------------|----------------------------|
| 3G8F7-CLK13-E | No recommended replacement |
| 3G8F7-CLK23-E | No recommended replacement |
| 3G8F7-CLK53-E | No recommended replacement |

[Replacement]**PLC Series**

Move to CJ2 or NX series. I/O units and user program in PLC have to be changed.

Network and communication unit

Replace network from Controller Link to EtherNet/IP.

EtherNet/IP supports message communication function (SEND/RECV function) and data link function between PLCs.

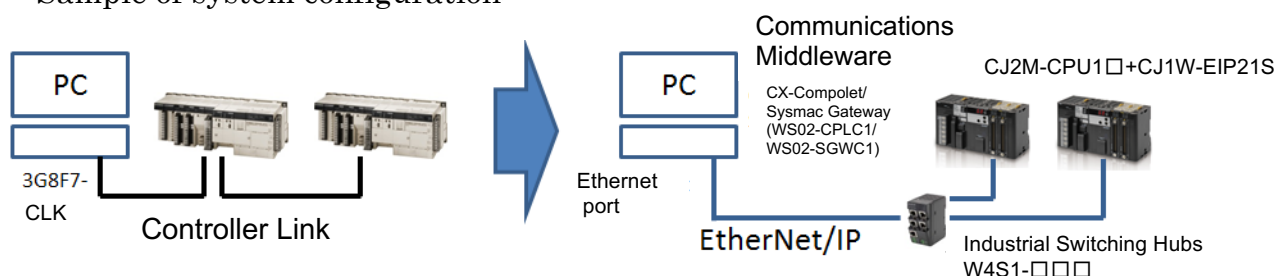
Communication cable

PLCs are connected by Ethernet Cable via switching hub.

User application on PC

Install Communication Middleware (SysmacGateway) on the PC and implement user applications on CX-Compolet.

<Sample of system configuration>



[Network Specifications and Compatible Units for each Controller]

The recommended replacement is to replace the Controller Link with EtherNet/IP.

The network specifications for each are as follows.

| Item | | Controller Link | | EtherNet/IP |
|-------------------------------------|-------------------------------|---|-----------------------------------|--|
| | | Wire System | Optical System | Wire System |
| Transmission Speed (bit/s) | | 2M/1M/500k | 2M | 100M |
| Type | | Multi-drop bus | Joint Ring/Daisy Chain | Star |
| Cable | | Twisted pair wire | H-PCF cable GI cable | Shielded twisted pair cable (Category5, 5e) |
| Maximum Transmission distance | | 500m at 2Mbit/s: 800m at 1Mbit/s: 1km at 500kbit/s: | 20km 30km | No limit (Maximum distance between switch and node is 100m) |
| Maximum distance between nodes | | Same as above | 1km 2km | |
| Maximum number of nodes | | 62nodes | 62nodes | 254nodes |
| Number of data link CH | Maximum CH number per network | 62,000CH | 62,000CH | 184,832CH |
| | Maximum CH number per node | SEND4,000CH SEND/RECV 62,000CH | SEND4,000CH SEND/RECV 62,000CH | SEND/RECV 184,832CH |
| Data link cycle (2kw+2kbit/32nodes) | | 35ms(2Mbit/s) | 37ms | 8ms |
| Maximum message length | | 2,012byte | 2,012byte | 2,012byte |

The network compatibility table for each Controller as follows.

| Controller | Controller Link | | EtherNet/IP |
|------------|-----------------|------------------------------------|---|
| | Wire System | Optical System | Wire System |
| CJ | CJ1W-CLK23 | N/A | CJ1W-EIP21S |
| PC | 3G8F7-CLK23(-E) | 3G8F7-CLK13(-E) 3G8F7-CLK53(-E) | PC Ethernet port Communications Middleware Sysmac Gateway (WS02-SGWC1) |

Specifications and prices in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.