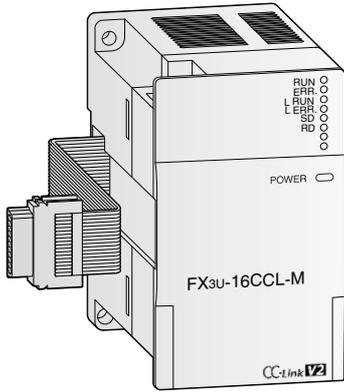


■ Network modules for CC-Link

- FX3S FX3G FX3GC FX3GE FX3U FX3UC FX5U FX5UC



CC-Link master module

The CC-Link network enables the controlling and monitoring of decentralized I/O modules at the machine.

A CC-Link master module is a special extension module, which assigns an FX3 or iQ-F PLC as the master station of a CC-Link system.

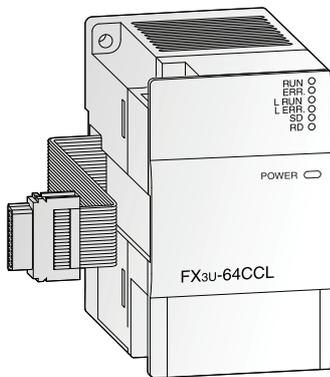
The setting of all modules within the network is handled directly via the master module.

The maximum communications distance is 1200 m without repeater.

| Specifications | FX3U-16CCL-M ① | FX5-CCL-MS |
|---------------------------|---|-------------------------------------|
| Applicable for | Base units FX3G, FX3GC, FX3GE, FX3U, FX3UC, FX5U, FX5UC | Base units FX5U, FX5UC |
| Module type | Master station | Master / Intelligent device station |
| Link points per station | I/O points | 32 |
| | Register | 8 |
| Max. number of I/O points | FX3G/FX3GC/FX3GE: 32 x nbr. of stations ≤128 FX3U/FX3UC: 32 x nbr. of stations ≤256 ② | 768 |
| | Number of connectable modules | Max. 16 |
| Power supply | 5 V DC | — |
| | 24 V DC | 240 mA |
| Related I/O points | 8 | 8 |
| Weight | kg 0.4 | 0.3 |
| Dimensions (WxHxD) | mm 55x90x87 | 50x90x83 |
| Order information | Art. no. 248224 | 312299 |

- ① To connect these modules to a FX3UC or FX3GC base unit, an adapter FX2N-CNV-IF or a power supply FX3UC-1PS-5V is required. More informations about CC-Link are available in various other publications from Mitsubishi Electric.
- ② Total of I/O points in base unit and extension units within the CC-Link network ≤384.
- Note : Please refer to manual for slave functionality.

4
Special function modules



FX3U-64CCL interface module

The FX3U-64CCL CC-Link interface module is available for FX3G, FX3GC, FX3GE, FX3U or FX3UC series main units and enables CC-Link V2

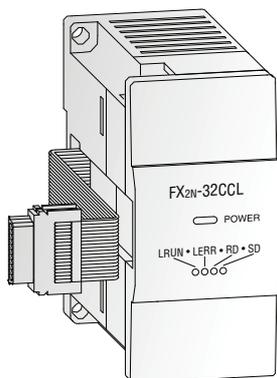
functionality, for example expanded cyclic transmission which facilitates handling of multiple data processes.

| Specifications | FX3U-64CCL | |
|--------------------------|----------------------------|--|
| Module type | Intelligent device station | |
| Link points per station | I/O points | 128 (Occupying 1 station with Octuple expanded cyclic setting) |
| | Register | 32 (Occupying 1 station with Octuple expanded cyclic setting) |
| Max. transmission speed | 10 Mbps | |
| Related I/O points | 8 | |
| Power supply | 24 V DC | 24 V DC/220 mA |
| Weight | kg 0.3 | |
| Dimensions (WxHxD) | mm 55x90x87 | |
| Order information | Art. no. 217915 | |

Notes: When attaching the FX3U-64CCL to a FX3UC/FX3GC base unit, the FX2NC-CNV-IF interface converter or the FX3UC-1PS-5V power supply unit is required. More informations about CC-Link are available in various other publications from Mitsubishi Electric.

Network module for CC-Link

FX3S FX3G FX3GC FX3GE FX3U FX3UC FX5U FX5UC



CC-Link communication module

The communication module FX2N-32CCL enables the user to connect to the CC-Link network with a superior PLC system as master CPU. This gives him access to the network of all MELSEC PLC systems and frequency inverters and to additional products from other suppliers.

The buffer memory of the FX2N-32CCL is read and written by FROM/TO instructions.

The connection is to the extension bus on the right side of the controller.

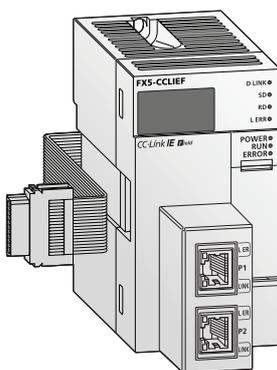
Thus the network is expandable via the digital inputs/outputs of the FX modules to a maximum of 256 I/Os.

| Specifications | | FX2N-32CCL |
|-------------------------------|------------|------------------------------|
| Module type | | Remote station |
| Link points per station | I/O points | 32 |
| | Register | 8 |
| Max. number of I/O points | | — |
| Number of connectable modules | | — |
| Power supply | 5 V DC | Max. 130 mA (from base unit) |
| | 24 V DC | 50 mA |
| Related I/O points | | 8 |
| Weight | kg | 0.3 |
| Dimensions (WxHxD) | mm | 43x90x87 |
| Order information | | Art. no. 102961 |

Notes: To connect this module to a FX3UC or FX3GC base unit, an adapter FX2N-CNV-IF or a power supply FX3UC-1PS-5V is required. More informations about CC-Link are available in various other publications from Mitsubishi Electric.

Network module for CC-Link IE Field

FX3S FX3G FX3GC FX3GE FX3U FX3UC FX5U FX5UC



CC-Link IE Field is a high speed (1Gbps), high capacity open field network using Ethernet (1000BASE-T).

Data between the FX5 CPU module and the FX5-CCLIEF can be sent/received through the buffer memory using instructions in the program. The data can also automatically exchanged with the auto refresh function and used in a program.

FX5-CCLIEF is an intelligent function module to connect a FX5U or FX5UC* CPU module as an intelligent device station to a CC-Link IE Field network.

* For the connection to a FX5UC CPU module a connector conversion module FX5-CNV-IFC or an extension power supply module FX5-C1PS-5V is required.

| Specifications | | FX5-CCLIEF |
|---------------------------|---------|--------------------------------------|
| Station type | | Intelligent device station |
| Communication speed | | 1 Gbps |
| Max. number of I/O points | RX | 384 points, 48 bytes |
| | RY | 384 points, 48 bytes |
| | RWr | 1024 points, 2048 bytes ^① |
| | RWw | 1024 points, 2048 bytes ^① |
| Power supply | 5 V DC | 10 mA |
| | 24 V DC | 230 mA (external power supply) |
| Related I/O points | | 8 |
| Weight | kg | 0.3 |
| Dimensions (WxHxD) | mm | 50x90x103 |
| Order information | | Art. no. 297444 |

① 256 points (512 bytes) when the master station is in high-speed mode.