

**Wired System**

Items	Specifications
Type	Wired
Model	3G8F7-CLK23-E 3G8F7-CLK21-EV1
Communications method	N:N token bus
Code	Manchester code
Modulation	Baseband code
Synchronization	Flag synchronization (conforms to HDLC frames)
Transmission path form	Multi-drop bus
Baud rate and maximum transmission distance	The maximum transmission distance varies with the baud rate as follows: 2 Mbps: 500 m 1 Mbps: 800 m 500 Kbps: 1 km
Media	Specified shielded twisted-pair cable Number of signal lines: 2, shield line: 1
Node connection method	Connect with provided connector
Maximum number of nodes	32 nodes or 62 nodes
Communications functions	Data links and message service
Number of data link words	Transmission area per node: 3G8F7-CLK23-E: 4,000 words max. 3G8F7-CLK21-EV1: 1,000 words max. Number of data link words in one network (send/receive: 32,000 words max., but 62,000 words max. if the maximum of 62 nodes is used)
Data link areas	FinsGateway event memory
Message length	2,012 bytes max. (including the header)
RAS functions	Polling node backup function Self-diagnosis function (hardware checking at startup) Inter-node test and broadcast test (using the FINS command) Watchdog timer Error log function
Error control	Manchester code check CRC check ( $CCITT X^{16} + X^{12} + X^5 + 1$ )

**Note** At least one Repeater Unit is required to construct networks that uses a node address higher than 32. The following Controller Link Units/Support Boards must also be used, and the Wired Network 62 Node Enable Bit of the DM Parameter Area software switch of all nodes must be turned ON (62 nodes max.).

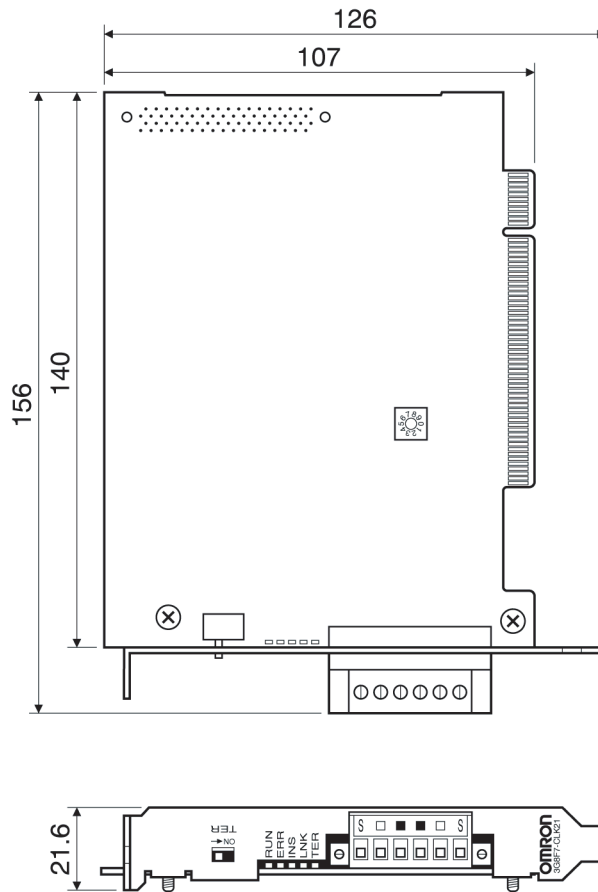
CS1W-CLK23, CS1W-CLK21-V1, CJ1W-CLK23, CJ1W-CLK21-V1, 3G8F7-CLK23-E, and 3G8F7-CLK21-EV1

### 1-2-4 General Specifications

Items	Controller Link Support Board for PCI Bus		
	Wired system: 3G8F7-CLK23-E 3G8F7-CLK21-EV1	Optical system, H-PCF cable: 3G8F7-CLK13-E 3G8F7-CLK12-EV1	Optical system, GI cable: 3G8F7-CLK53-E 3G8F7-CLK52-EV1
External dimensions	106 × 140 mm (W × L)		
Weight	104 g	120 g (excluding mounting bracket)	124 g (excluding mounting bracket)
Current consumption	0.35 A max. at 5 VDC	Without power supply: 0.54 A max. at 5 VDC With power supply: 0.35 A max. at 5 VDC	Without power supply: 0.60 A max. at 5 VDC With power supply: 0.35 A max. at 5 VDC
Installation environment conditions	Same as for computer.		

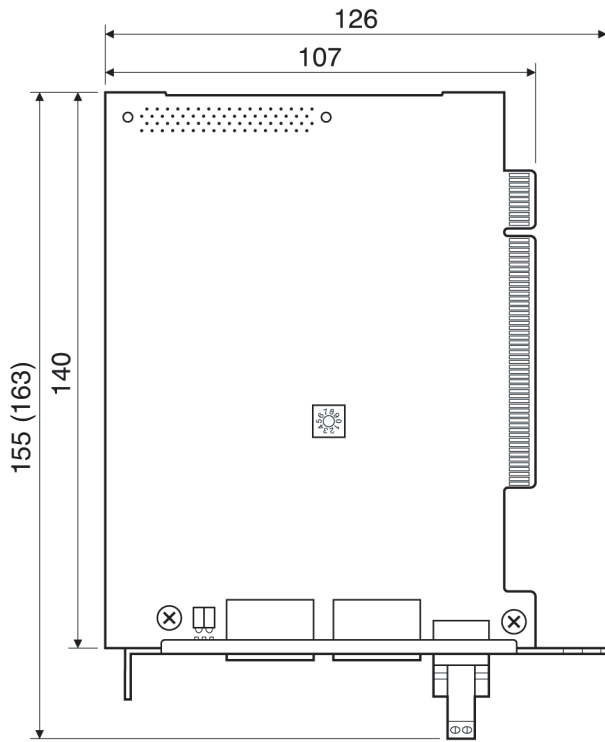
### 1-2-5 Dimensions

Wired Models (3G8F7-CLK23-E and 3G8F7-CLK21-EV1)

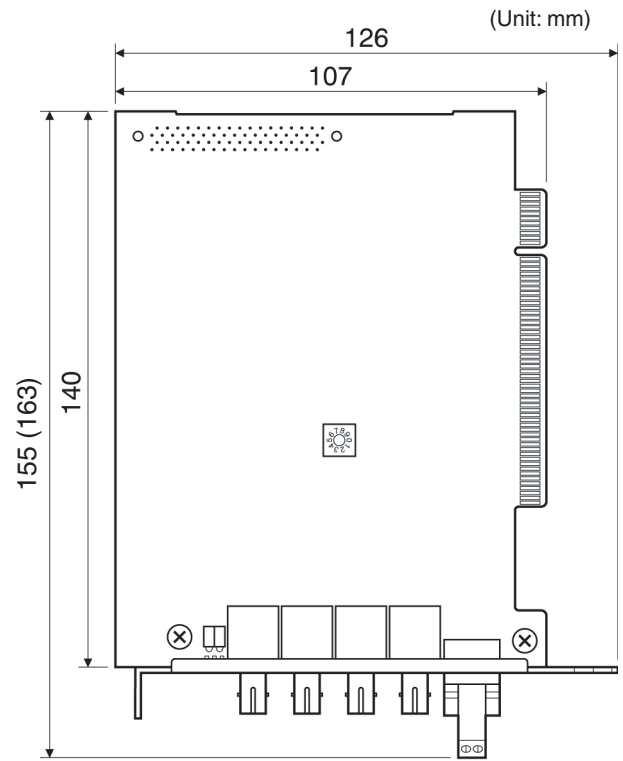


(Unit: mm)

**H-PCF Cable Optical Ring Models**  
(3G8F7-CLK13-E and 3G8F7-CLK12-EV1)



**GI Cable Optical Ring Models**  
(3G8F7-CLK53-E and 3G8F7-CLK52-EV1)



**Note** The dimensions given in parentheses are for when the previous connector is mounted.