

Active data modules (RS485 and RS232)

The addition of active data interface modules permit active communication between the PLC and surrounding devices. With RS232 communications this can include modems, printers, bar code readers, PCs, PLCs etc. Information can be sent and received and is handled by the PLC program with the RS instruction.

With RS485 communication can be configured as either 1:N multidrop, parallel link or peer to peer operation.

FX3U-232ADP-MB and FX3U-485ADP-MB also support Modbus RTU and Modbus ASCII.

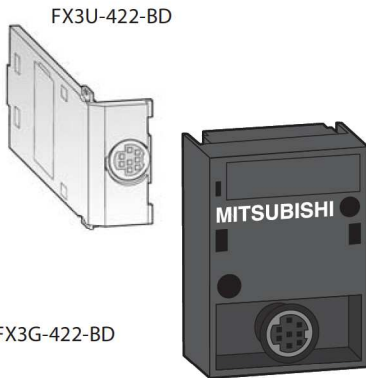
Specifications	FX2NC-232ADP ^①	FX3U-232ADP-MB ^②	FX2NC-485ADP ^①	FX3U-485ADP-MB ^②
Interface	RS232C with 9 pin D-SUB compact plug (photocoupler isolation)	RS232 with 9-pin D-SUB connector; Modbus RS232C	RS485	RS485; Modbus RS485
Communication speed*	0.3–19.2 kbps	0.3–19.2	0.3–19.2	0.3–19.2
Max. communication distance	15 m	15	500	500
Power supply	5 V DC 24 V DC	100 mA (from base unit) —	30 mA (from base unit) —	max. 150 mA (from base unit) 20 mA (from base unit)
Related I/O points	0	0	0	0
Dimensions (WxHxD)	mm	19.1x90x83	17.6x90 (106)x74	19.1x90x78
Order information	Art. no.	149110	206190	149111
		206191	149111	206191

^① Application for FX1S/FX1N base unit ^② Application for FX3G/FX3U/FX3UC base units

* Speed depends on communication method (Parallel link, N:N Network, No protocol, Dedicated protocol etc.)

Note: When connecting these adapter modules to a FX3U, a communications adapter FX3U-□□□-BD is required. When connecting the FX2NC adapters to a FX1S or FX1N PLC the communications adapter FX1N-CNV-BD is required. When connecting an FX3U adapter to a FX3G PLC the communications adapter FX3G-CNV-ADP is required.

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COMPACT PLCs



Interface adapters

The FX□□-232-BD interface adapters provide an RS232C interface for serial data communications with the MELSEC FX1S, FX1N, FX3G or FX3U PLC.

With the help of the interface adapter FX□□-422-BD a RS422 interface can be added to a MELSEC FX1S, FX1N, FX3G or FX3U PLC.

The interface adapters FX□□-485-BD provide a MELSEC FX1S, FX1N, FX3G or FX3U PLC with an additional RS485 interface. The adapter, which is simply inserted into the base unit's expansion slot, enables the configuration of RS485 1:n multidrop, parallel link or peer-to-peer networks with FX systems.

Specifications	FX1N-232-BD	FX3G-232-BD	FX3U-232-BD
Applicable for	Base units FX1S/FX1N	Base units FX3G	Base units FX3U
Interface	RS232C with 9 pole D-SUB connector		
Power supply	5 V DC/20 mA (from base unit)		
Related I/O points	—	—	—
Dimensions (WxHxD)	mm	43x38.5x22	35x51x12
Order information	Art. no.	130743	221254
		130743	165281

Specifications	FX1N-422-BD	FX3G-422-BD	FX3U-422-BD
Applicable for	Base units FX1S/FX1N	Base units FX3G	Base units FX3U
Interface	RS422 with 8 pole Mini-DIN connector		
Power supply	5 V DC/60 mA (from base unit)		
Related I/O points	—	—	5 V DC/20 mA (from base unit)
Dimensions (WxHxD)	mm	43x38.5x20	35x51x12
Order information	Art. no.	130741	221252
		130741	165282

Specifications	FX1N-485-BD	FX3G-485-BD	FX3U-485-BD
Applicable for	Base units FX1S/FX1N	Base units FX3G	Base units FX3U
Interface	RS485/RS422		
Power supply	5 V DC/60 mA (from base unit)		
Related I/O points	—	—	—
Dimensions (WxHxD)	mm	43x38.5x22	35x51x12
Order information	Art. no.	130742	221253
		130742	165283