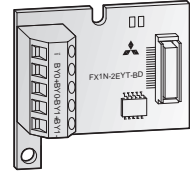


## FX Input / Output Expansion Options



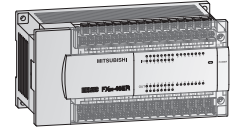
### Extension Boards

The FX1N Series extension boards are available for the FX1S and FX1N main units and add 4 inputs or 2 outputs to the system

Model Number	FX1N-4EX-BD	FX1N-2EYT-BD
Stocked Item	S	S
Rating	UL • cUL • CE	
Integrated Inputs	4	2
Power Supply	5 VDC (from main unit); 24 VDC / 25 mA (S/S terminal)	
Integrated Outputs	4	—
Input Level	Voltage	24 VDC (+20% / -15%)
	Current	5 mA (24 VDC)
Integrated Outputs	—	2
Output Type	—	Transistor
Max. Switching Voltage	—	5 – 30 VDC
Weight	0.02	0.02
Dimensions (W x H x D) mm	43 x 38.5 x 22	43 x 38.5 x 22
Applicable PLCs	FX1S / FX1N	FX1S / FX1N

### Powered Extension Units

The FX2N / FX0N Series extension units are available with up to 48 integrated I/O with selectable relay or transistor output models.



Model Number	FX2N-32ER-ES/UL	FX2N-32ET-ESS/UL	FX2N-48ER-DS	FX2N-48ER-ES/UL	FX2N-48ER-UA1/UL	
Stocked Item	S	S	—	S	S	
Rating	UL • cUL • CE	UL • cUL • CE	CE	UL • cUL • CE	UL • cUL • CE	
Applicable PLCs	FX3U / FX3G / FX1N		FX3U / FX1N	FX3U / FX3G / FX1N		
Integrated Inputs / Outputs	32	32	48	48	48	
Power Supply	100–240 VAC		24 VDC	100–240 VAC		
AC Range (+10%, -15%)	100–240 VAC		24 VDC	100–240 VAC		
External Service Power Supply (24VDC) mA	250	250	—	460	—	
Power Supply Int. Bus (5VDC) mA	690	690	690	690	690	
Integrated Inputs	16 (24 VDC)	16 (24 VDC)	16 (24 VDC)	16 (24VDC)	24 (120 VDC)	
Integrated Outputs	16	16	24	24	24	
Output Type	Relay	Source Trans.	Relay	Relay	Relay	
ON Voltage (Max.)	Relay version: < 264 VAC, < 30 VDC; Transistor version: 5 – 30 VDC					
Max. Output Current	Per Output (A)	2	0.5	2	2	2
	Per 4 Outputs (A)	8	0.8	8	8	8
Weight (kg)	0.65	0.65	0.85	0.85	1.0	
Dimensions (W x H x D) mm	150 x 90 x 87	150 x 90 x 87	182 x 90 x 87	182 x 90 x 87	220 x 90 x 87	

Model Number	FX2N-48ET	FX2N-48ET-DSS	FX2N-48ET-ESS/UL	FX0N-40ER-DS	FX0N-40ER-ES/UL	FX0N-40ET-DSS	
Stocked Item	—	—	—	—	—	—	
Rating	—	CE	UL • cUL • CE	CE	UL • cUL • CE	CE	
Applicable PLCs	FX3U / FX1N			FX1N			
Integrated Inputs / Outputs	48	48	48	40	40	40	
Power Supply	100–240 VAC	24 VDC	100–240 VAC	24 VDC	100–240 VAC	24 VDC	
External Service Power Supply (24VDC) mA	460	—	460	—	200	—	
Power Supply Int. Bus (5VDC) mA	690	690	690	—	—	—	
Integrated Inputs	24 (24 VDC)	24 (24 VDC)	24 (24 VDC)	24 (24 VDC)	24 (24 VDC)	24 (24 VDC)	
Output Type	Sink Trans.	Source Trans.	Source Trans.	Relay	Relay	Source Transistor	
ON Voltage (Max.)	Relay version: < 264 VAC, < 30 VDC; Transistor version: 5 – 30 VDC						
Max. Output Current	Per Output (A)	0.5	0.5	0.5	2	2	0.5
	Per 4 Outputs (A)	0.8	0.8	0.8	5	5	0.8
Weight (kg)	0.85	0.85	0.85	0.75	0.75	0.75	
Dimensions (W x H x D) mm	182 x 90 x 87	182 x 90 x 87	182 x 90 x 87	150 x 90 x 87	150 x 90 x 87	150 x 90 x 87	