Mitsubishi PLCs — continued

The FX2N base units have the flexibility to be enhanced with additional communication boards. These are added directly to the base unit itself. The available units are:

This board provides RS232 communication with an suitable RS232 device, i.e, personal computers, printers, bar code readers and modems.

FX2N-422-RD

The FX2N-422-BD is essentially a second programming port for the FX2N base unit. It is also possible to interface any of the Mitsubishi range of HMI's through this port, this would then make it possible to have two HMI units connected to a single PLC as a standard solution.

This is the RS485 board unit to attach the FX2N base unit on to a 1:N data collection network, or as a note on a multi-drop network (N:N)

FX2N-CNV-RD

This converter board allows the FX2N to use the FX0N range of ADP communication adapters, i.e. FXON-232ADP, FARNELL stock no.774-534. Using the FXON communication adapters provides optoisolated communications options as well as the ability to communicate over long distances.

Note: Only one BD board may be fitted to each FX2N PLC at any one time. Application boards: FX2N-232-BD, FX2N-422-BD, FX2N-484-BD, FX2N-CNV-BD, FX2N-8AV-BD.

					INC22
			Price	Each	
Mftrs. List No.	Order Code	1+	2+	5+	10+
FX2N-232-BD	725-8306				
FX2N-42-BD	725-8318				
FX2N-485-BD	725-8320				
FX2N-CNV-BD	725-8288				

Windows Programming Package.



The latest in a successful range of PC based programming tools, FX-PCS/WIN offers the user the ease and benefit of the Windows operating system along with 3 powerful PLC programming editors, documentation, monitoring and testing facilities, FX-PCS/WIN also offers the ability to import print files product for the DOS MEDOC programming package.

						INC	20
Mftrs. list No.	Order Code	1+	2+	5+	10+	25+	
FX-PCS/WIN-E	725-8410						

Cable



- Used for multi-drop connection to a master computer or data transfer with EX2N units
- All cables 1m in length

	-					inc231
				Price	Each	
Description	Mftrs. List No.	Order Code	1+	2+	5+	10+
RS232 Comms	FX-232-CAB-1	725-8367				
RS422 Comms	FX-422CAB	725-8379				
RS485 Comms	FX-422CAB0	725-8380				
RS232-422						
Converter	FX-232AWC	725-8392				

Siemens PLCs

Simatic S7-200 Micro PLC

SIEMENS

The 2nd generation S7-200 offers small but powerful CPUs with flexible I/O that can be tailored to suit simple or complex automation tasks, giving the best optimised and lowest-cost solutions. Easy-to-use, Windows based software unlocks the powerful, inbuilt computing and communications features. The enhanced expansion modules allow more flexible solutions which, coupled with the upgraded software, mean changing from other solutions is easier than ever.

All models feature:

- High speed 0.37µs per instruction
- In-built power supply PID instructions
- 2 x 20kHz pulse outputs
- 1 x RS485 communications interface

Specifications: 85-264Vac. 47/63Hz or 20.4-28.8Vdc Supply voltage

Supply for sensors 24Vdc, 180mA(221 & 222 CPU) or280mA(224 CPU) Inputs 24Vdc, 7mA opto-isolated (sink/source configurable) Volt free 2A; 5-30Vdc or 5-250Vac

Relay outputs

Transistor outputs 24Vdc.0.75A

INC257

- 10 I/O non expandable (6 in, 4 out)
- 2 Kbytes programming memory
- 4 x 20kHz high speed counter
- Real time clock option
- 24V d.c. input

S7-221 CPUs

Order Price Fach Supply Output Mftrs. List No Code 1+ 5+ 10+ 24V d.c. 6ES7 211-1AA20 0XB0 313-9750 24V d c 120/230V a.c. Relay 6ES7 212-0BA20 0XB0 313-9761

S7-222 CPUs

SIEMENS

- 14 I/O expandable (8 in, 6 out)
- 2 Kbytes programming memory
- 4 x 20kHz high speed counter
- Real time clock option
- 24V d.c. input

Order Price Fach Mftrs. List No. 10+ Supply Output Code 5+ 24V d.c. 6ES7 212-1AB20-0XB0 313-9773 120/230V a.c. Relay 6ES7 212-1BB20-0XB0 313-9785

S7-222 CPUs

SIEMENS

- 24 I/O expandable (14 in, 10 out)
- 28 Kbytes programming memory
- 6 x 20kHz high speed counter
- In-built real time clock
- 24V d.c. input

INC268

INC267

	Price Each	10+
1+	J+	10+
	1+	

Digital Expansion Modules

SIEMENS

These are used to increase the capacity of the

S7-200 CPUs. A maximum of 2 modules can be used with the S7-222, up to 78 I/O. A maximum of 7 modules can be used with the S7-224, up to 128 I/O. Connection is via ribbon cable (supplied).

Specifications:

24Vdc rated, sink/source, opto-isolated Inputs Relay Outputs Volt free 2A; 5-30 Vdc or 5-250Vac Transistor Outputs 20.4-28.8 Vdc, 0.75A

INC262

			Order		Price Each	
Input	Output	Mftrs. List No.	Code	1+	5+	10+
4	4 transistor	6ES7 223-1BF20-0XA0	328-9941			
4	4 relay	6ES7 223-1HF20-0XA0	328-9953			
8	-	6ES7 221-1BF20-0XA0	313-9815			
-	8 transistor	6ES7 222-1BF20-0XA0	313-9827			
-	8 relay	6ES7 222-1HF20-0XA0	313-9839			
8	8 transistor	6ES7 223-1BH21-0XA0	313-9840			
8	8 relay	6ES7 223-1PH21-0XA0	313-9852			
16	16 transistor	6ES7 223-1BL21-0XA0	328-9965			
16	16 relay	6ES7 223-1PL21-0XA0	328-9977			

Analogue Expansion Modules

SIEMENS

- Provide analogue capability for the 222 and 224 CPUs
- Inputs are selectable via dip switches, variable outputs by connection
- Inputs 12 bit resolution
- Outputs 12 bit resolution (voltage), 11 bit resolution (current)

Configurations Module Type

4 Input unipolar - 0 to 5V, 0 to 10V or 0 to 20mA bipolar - +/- 2.5V or +/- 5V

2 Output +/- 10V, 0 to 20mA 4 Input / 1 Output

Inputs: Unipolar - 0 to 50mV, 0 to 100mV, 0 to 500mV, 0 to 1V, 0 to 5V, 0 to 10V, 0 to 20mA

Bipolar - +/-25mV, +/-50mV, +/-100mV, +/-250mV, +/-500mV, +/-1V

+/-2.5V, +/-5V

Outputs: +/- 10V, 0 to 20mA

INC260

							IIVUZ
						Price Each)
	Input	Output	Mftrs. List No.	Order Code	1+	5+	10+
	4	-	6ES7 231-0HC20-0XA0	315-4348			
	-	2	6ES7 232-0HB20-0XA0	328-9990			
	4	1	6ES7 235-0HD20-0XA0	315-4350			
`							