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Find the *Diamond Systems Garnet-MM-48* at our website: *Click HERE*

GARNET-MM

24 OR 48 LINES INPUT OUTPUT LINES, PROGRAMMABLE DIRECTION, BUFFERED OUTPUTS

SPECIFICATIONS	
DIGITAL I/O	
Chip	82C55 (qty. 2)
Number of I/O lines	24 or 48
Direction	Programmable in groups of 4 or 8
Input voltage	Logic 0: 0.0V min, 0.8V max Logic 1: 2.0V min, Vcc max
Output voltage	Logic 0: 0.0V min, 0.55V max Logic 1: 2.0V min, Vcc -0.3V max
Output current	Logic 0: 64mA max per line Logic 1: 15mA max per line
Output drivers	74F245/74F243
Pull-up resistors	None
GENERAL	
Power supply	+5V ±10% @ 160mA typical
Temperature	0° to 70°C
PC/104 Bus	8 bits
Weight	-24: 2.7oz / 76g -48: 3.0oz /85g

Garnet-MM provides 24 or 48 digital I/O lines using 1 or 2 82C55 chips. It has buffered outputs for extra drive current capability to drive loads such as LEDs, small mechanical relays, or solid-state relays. The output buffers are controlled by on-board logic that monitors the 82C55 configuration registers and sets the buffer directions automatically. This board does not provide pull-up resistors on the I/O lines.

The board includes 2 interrupt lines that may be used for digital I/O data transfer at low rates (up to 1-2 KB/sec).



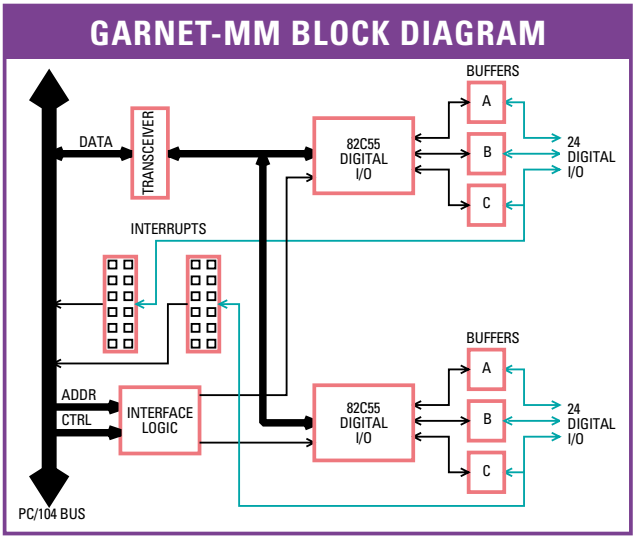
- 24 or 48 digital I/O lines using 1 or 2 82C55 chips
- Programmable port directions
- High-current outputs: -15/+64mA per line
- 2 PC interrupts
- Dual 50-pin I/O headers with 24 I/O lines each
- 0 to 70°C operation
- FREE Universal Driver software included

Garnet-MM has two identical digital I/O headers with 24 I/O lines on each.

I/O HEADERS

PORT A	A7	1	2	GND
	A6	3	4	GND
	A5	5	6	GND
	A4	7	8	GND
	A3	9	10	GND
	A2	11	12	GND
	A1	13	14	GND
	A0	15	16	GND
PORT C	C7	17	18	GND
	C6	19	20	GND
	C5	21	22	GND
	C4	23	24	GND
	C3	25	26	GND
	C2	27	28	GND
	C1	29	30	GND
	C0	31	32	GND
PORT B	B7	33	34	GND
	B6	35	36	GND
	B5	37	38	GND
	B4	39	40	GND
	B3	41	42	GND
	B2	43	44	GND
	B1	45	46	GND
	B0	47	48	GND
	+5	49	50	GND

GARNET-MM BLOCK DIAGRAM



ORDERING GUIDE

GMM-24	24 Digital I/O, high-drive outputs
GMM-48	48 Digital I/O, high-drive outputs

For cables and accessories, see pages 46-47.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

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Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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