## Specialty Modules

PACSystems and Series 90-70 feature a wide range of Specialty Modules to meet all of your application needs. From High-Speed Counters, Programmable Coprocessor Modules and Alphanumeric Display Coprocessors to Hard Disk Drives and Single Board Computers, these Specialty Modules are designed to fill your requirement for versatile industrial solutions.

| | IC697PCM711 | IC697HSC700 | IC697VHD001 | IC697VSC096 |
|---|---|---|---|---|
| Product Name | Programmable Coprocessor Module | High Speed Counter | Single-Slot VMEbus Hard Disk Module | Single-Slot Celeron Socket 370 Processor-Based VMEbus Single-Board Computer |
| Module Type | Programmable Coprocessor Module | High Speed Counter | Hard Disk | Single Board Computer |
| Floating Point Math | N/A | N/A | N/A | N/A |
| Processor Speed | 12 MHz (80C186) | N/A | N/A | N/A |
| Clock | Real Time Calendar synchronized to PLC | N/A | N/A | N/A |
| Protocols Supported | CCM2 | N/A | N/A | N/A |
| Simultaneous Communication Speed | 9.6 Kbaud | N/A | N/A | N/A |
| Individual Communication Speed | 19.2 Kbaud | N/A | N/A | N/A |
| Processor | N/A | N/A | N/A | Single-Slot Celeron Socket 370 Processor-Based |
| Memory Available | 96 Kbytes of User Logic RAM and 512 Kbytes of Expansion Memory | N/A | N/A | 32 Kbytes of User Logic SRAM |
| Flash Memory Available | N/A | N/A | N/A | 96 Mbyte IDE CompactFlash |
| HSC Available Output Voltages | N/A | 4 (Positive Logic) with LED Indicators and +5 VDC | N/A | N/A |
| Programmed By | IC647, IC640, or IBM-compatible Personal Computer | N/A | N/A | N/A |
| Counter Types | N/A | 5 Selectable Counter Types | N/A | N/A |
| Input Thresholds | N/A | TTL, Non-TTL, and Magnetic Pickup | N/A | N/A |
| Output Signal | N/A | Up To 200 KHz | N/A | N/A |
| Hard Drive Size | N/A | N/A | N/A | 12 Gbyte |
| Hard Disk Size | N/A | N/A | 10 Gbyte | N/A |
| Current Required from 5V Bus | 1.0 Amp | N/A | 2.5 Amps maximum | 6.0 Amps typical (8.0 Amps maximum) |

# Series 90-70

## Accessories

| | |
|---|---|
| **IC690ACC901** | Miniconverter Kit with cable (RS-232 to RS-485) |
| **IC690CDR002** | User Manuals, InfoLink CD-ROM Documentation, Single-user License |
| **IC697ACC700** | Terminal Block, 40 Contacts (qty 6) |
| **IC697ACC701** | Replacement Battery for CPU and PCM (qty 2) |
| **IC697ACC702** | I/O Bus Terminator Plug |
| **IC697ACC715** | VME Option Kit, J2 Backplane Mounting |
| **IC697ACC720** | Blank Slot Filler (qty 6) |
| **IC697ACC721** | Rack Fan Assembly, 120VAC |
| **IC697ACC722** | VME Backplane Connector, Interrupt Jumper (qty 6) |
| **IC697ACC723** | Clear Plastic Doors (qty 6) |
| **IC697ACC724** | Rack Fan Assembly, 240VAC |
| **IC697ACC725** | CPU-style Painted Door, Blank (qty 6) |
| **IC697ACC726** | Top PWA Cover, CPU-style (qty 6) |
| **IC697ACC727** | Top and Bottom PWA Cover, GBC (qty 2) |
| **IC697ACC728** | Top and Bottom PWA Cover, BTM/BTR (qty 2) |
| **IC697ACC729** | Top and Bottom PWA Cover, I/O Link (qty 2) |
| **IC697ACC730** | Spare Slot Terminal Strip Retainer |
| **IC697ACC732** | Top PWA Cover, CPU77x and CPU78x (qty 2) |
| **IC697ACC736** | Cable Shield Clamping Assembly |
| **IC697ACC744** | Rack Fan Assembly, 24VDC |
| **IC697ACC902** | Miniconverter Kit with Cable for NEC9800 (RS-232 to RS-485) |
| **IC697ACC903** | RS-485 Port Isolator |
| **IC697MLX000** | Series 90-70 Labels Kit |

## I/O Cables

| | |
|---|---|
| **IC600WD002C** | I/O Expansion Cable, 2 feet (0.6 meters) |
| **IC600WD005C** | I/O Expansion Cable, 5 feet (1.5 meters) |
| **IC600WD010C** | I/O Expansion Cable, 10 feet (3.0 meters) |
| **IC600WD025C** | I/O Expansion Cable, 25 feet (7.5 meters) |
| **IC600WD050C** | I/O Expansion Cable, 50 feet (15 meters) |
| **IC690CBL700** | Cable Kit, Power Supply Expansion (used for two-rack power supply function) |
| **IC690CBL701** | Cables - PCM to IC640 or PC-XT Computer, 10 feet (3 meters) |
| **IC690CBL702** | Cables - PCM to PC-AT Computer, 10 feet (3 meters) |
| **IC690CBL705** | Cables - PCM to IC642 or PS/2 Computer, 10 feet (3 meters) |
| **IC697CBL709** | Cable, MAP Controller to Broadband Modem |
| **IC697CBL811** | Cable, RCM Communications (10 feet) I/O Expansion Cable |
| **IC697CBL826** | Cable, RCM Communications (25 feet) I/O Expansion Cable |
| **IC697CBL713** | Cable - Power Supply Extension (used for two-rack power supply function) |