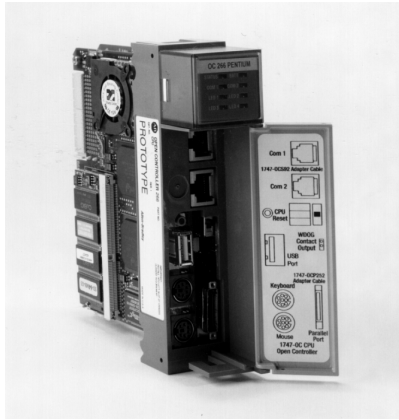




266 MHz Chassis-based Open Controller

Catalog Number 1747-OCF



Product Description

The Allen-Bradley 266 MHz Open Controller (1747-OCF) is the next-generation chassis-based open controller from Rockwell Automation. Featuring a powerful Pentium® processor, the 266 MHz Open Controller provides a higher performance alternative to the current 5x86/100 MHz Open Controller (1747-OCE). Both open controllers are compact, single-slot modules that are compatible with Allen-Bradley 1746 chassis, I/O, and PCI-based option modules.

In addition to the faster processor, the 266 MHz Open Controller includes many new features, such as a Universal Serial Bus (USB) port and faster memory (SDRAM). An internal socket supports CompactFlash components up to 192 Mbytes, eliminating the need for rotating hard drives and expanding the application range to include high shock and vibration applications. A full range of PCI-based option modules supports system expansion and customization. These modules allow you to add graphics, networking, and mass storage capabilities. For special application requirements, a PC Card carrier adds access to a wide range of commercially available PC card-based technologies. The open architecture of the system brings the benefits of the latest PC technologies to the factory floor, without sacrificing durability and dependability.

The 266 MHz Open Controller helps you meet your increasingly demanding applications, whether you are an OEM developing custom C-based control solutions or an end-user seeking a global supplier of a Microsoft® Windows NT™-based soft control solution. For OEMs developing C-based applications, powerful DOS and Windows NT API libraries simplify development. And, for OEMs basing applications on either commercial or custom real-time operating systems (RTOS), software development tool kits and source code are available. The 266 MHz Open Controller is also an ideal platform for a soft control solution based on the Allen-Bradley SoftLogix™ 5 controller.

Features

- Pentium 266 MHz MMX CPU
- SO-DIMM socket for industry-standard SDRAM
- CompactFlash socket for memory expansion
- Serial, parallel, and USB communication ports
- User-programmable 8254 timer
- Application environments (user-supplied) include:
 - Allen-Bradley SoftLogix 5 for PLC-like programming
 - ISaGRAF® for IEC-1131.3 programming
 - MS-DOS® and Windows NT APIs for C/C++ programming



The 266 MHz Open Controller with SoftLogix 5 and RSVIEW32™ provides integrated soft control and HMI in a compact industrial form-factor.

Specifications: 1747-OCF

Description	Specification	Description	Specification
CPU Processor	266 MHz Pentium	PCI expansion bus	2, 3, 4, 5, or 6 slots
Local I/O Scanner Processor	188 @ 33 MHz – PCI bus	Local I/O	Any valid 1746 I/O and local expansion chassis configuration
System Memory	User-supplied SDRAM (128 MB max.) 512 Kbyte SRAM (battery-backed) 5 Kbyte Cache RAM	Communication	All 1746 communication modules
Flash	User-supplied CompactFlash (192 MB max.)	Status LEDs	4 diagnostic 4 user-definable
BIOS	General Software	Output	External watchdog contact
Connectors (PS2)	Keyboard; mouse	Battery backup	For 8 Kbyte dual-port RAM and real time clock
Communication Ports	COM1 – RS-232 COM2 – RS-232//422/485 Enhanced parallel port USB port	Battery	Rechargeable lithium vanadium (jumper enabled)
Chassis	1746 (4, 7, 10, or 13 slots)	Jumpers	COM2 serial mode selection User-definable 2-position Battery enable Local I/O scanner configuration
Power Supply	1746-P2, -P3, -P4, -P5, or -P6	Switches	Reset switch (CPU and I/O scanner) 3-position user-definable

Ordering Information

Catalog No.	Description	Catalog No.	Description
1747-OCF	266 MHz Open Controller	1747-OCENET	Ethernet module
1747-OCE	5x86 100 MHz Open Controller	1747-OCVGA1	Video module
1747-OCPC1x	PCI expansion bus (2, 3, 4, 5, or 6 slot)	1747-OCVGAE	Video and Ethernet module
1747-OCPCM1	PC Card module	1747-OCAPID	MS-DOS API
1747-OCPCM2	PC Card module with card & socket services	1747-OCAPINT	Windows NT API
1747-OCIDE1	IDE interface module (for two ATA PC Cards)	1747-OCFAN1	1746 chassis fan
1747-OCIDE25	IDE interface module (for one 2.5" hard drive)	1747-OCP252	Parallel port adapter cable
1747-OCKTX	A-B communications module (1 channel)	1747-OCS92	Serial port adapter cables (2)
1747-OCKTXD	A-B communications module (2 channels)	1747-OCSBC	Remote serial port boot cable

See www.OpenAutomation.com for more information

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Wherever you need us, Rockwell Automation brings together leading brands in industrial automation including Allen-Bradley controls, Reliance Electric power transmission products, Dodge mechanical power transmission components, and Rockwell Software. Rockwell Automation's unique, flexible approach to helping customers achieve a competitive advantage is supported by thousands of authorized partners, distributors and system integrators around the world.

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