

## XR SERIES "eXCHANGE READY" SYSTEMS



---

### **Customer Benefits**

The XR Series "eXchange Ready" open systems enable telecom OEMs to get their solutions to market faster. These modular systems are designed to meet NEBS central office requirements and enable telecom OEMs to concentrate their resources on value-adding and revenue-generating activities.

The XR Series open systems allow front access to all serviceable components and provide I/O routing to the rear of the system. The XR Series is totally modular and OEM-configurable, from the CPU module and the I/O expansion bus slots to the mass storage options. Based on the rugged industrial VMEbus architecture, the XR Series systems provide unmatched density for telecom I/O expansion.

Motorola Computer Group is an ISO9001 registered manufacturing facility committed to world-class quality and total customer satisfaction. Partnering with Motorola Computer Group for computer platforms can prove to be an ideal alliance for the telecom OEM.

---

### **Real-World Telecommunications Applications**

XR Series systems are embedded into the following OEM customer telecom applications:

- Cellular base stations
- Cable system internet data service routing
- Voice messaging
- Telecommunication network operations, administration, and maintenance (OA&M)
- Telecom Intelligent Network adjunct processing
- Telecom network emulation and testing
- Long distance data switching
- Single number services
- Underwater cable monitoring
- Cellular site control
- Protocol gateways
- Sonet network monitoring/control
- Satellite data gateway
- Short message service platforms
- Automatic call distribution
- Virtual central office emulator



**MOTOROLA**

---

## Product Capabilities

### Chassis Options

All chassis options are 19-in. or 23-in. rack/frame mountable. I/O connectors are located at the rear of the chassis, allowing all field replaceable modules to be serviced from the front of the chassis.

- 3-slot, 3U chassis with two SCSI drive bays
- Dual 9-slot, 12U chassis with two independent backplanes and power supplies
- 12-slot, 12U chassis with redundant, load-sharing power supplies and five SCSI drive bays
- 20-slot, 12U chassis with redundant, load-sharing power supplies

### Power Options

- 110/220 VAC 50/60 Hz with Power Factor Correction (PFC)
- -36 to -72 VDC

### I/O Mass Storage Options

- VME-mounted SCSI disk and tape modules
- 4-bay rack-mountable SCSI drive enclosures
- Chassis-integrated SCSI drive bays (3-slot and 12-slot)

### CPU Module Options

CPUs include microprocessor(s), cache, memory, SCSI, ethernet, four serial ports, parallel/printer port.

- MC68030 and MC68040 VME Single Board Computers
- PowerPC 603™ and PowerPC 604™ Single Board Computers

### SCSI, Networking, and Communications Module Options

- 8-port asynchronous communications controller
- 6-port synchronous communications controller
- FDDI controller
- Single and dual T1/E1 controller
- Single-ended and differential SCSI controllers
- 10BaseT and 10/100BaseTx Ethernet controllers

### Operating System Support

- AIX® release 4.2 for PowerPC® CPU modules
- Third-party Real-Time OS support, including pSOSystem™, VxWorks®, LynxOS™, OS-9®, OS-9000™, and many others

### Communications and Networking Support

- TCP/IP and OSI protocol suites
- X.25
- FDDI
- Primary Rate ISDN
- SS7

---

For more information, visit our World Wide Web site at <http://www.mcg.mot.com>  
For fax-back service dial 1-800-682-6128 in the U.S. and 602-438-4636 outside of the U.S.  
To call us dial 1-800-759-1107 in the U.S. and 512-434-1526 outside of the U.S.  
Corporate headquarters address: Motorola Computer Group, 2900 S. Diablo Way, Tempe, AZ 85282

Copyright 1997 Motorola, Inc.  
Data Sheet: XROV-D3

Motorola and the Motorola logo are registered trademarks of Motorola, Inc. PowerPC and the PowerPC logo are registered trademarks; and PowerPC 603 and PowerPC 604 are trademarks of International Business Machines Corporation and are used by Motorola, Inc. under license from International Business Machines Corporation. AIX is a registered trademark of International Business Machines Corporation. pSOSystem is trademark of Integrated Systems, Inc. VxWorks is a registered trademark of Wind River Systems, Inc. LynxOS is a trademark of Lynx Real-Time Systems Inc. OS-9 is a registered trademark; and OS-9000 is a trademark of Microware Systems Corp. All other names, products, and/or services mentioned may be trademarks or registered trademarks of their respective holders.

This product overview identifies products and their characteristics which may be suitable for certain applications. It does not constitute an offer to sell or a commitment of present and future availability, and should not be relied upon to state the terms and conditions, including warranties and disclaimers thereof, on which Motorola may sell products. A prospective buyer should exercise its own independent judgment to confirm the suitability of the products for particular applications. Motorola reserves the right to make changes, without notice, to any products or information herein which will, in its sole discretion, improve reliability, function or design. Motorola does not assume any license under its patent or other intellectual property rights or under others. This disclaimer extends to any prospective buyer, and it includes Motorola's licensee, licensee's transferees, and licensee's customers and users. Availability of some of the products and services described herein may be restricted in some locations.



**MOTOROLA**  
Computer Group