

Enables a wide and powerful range of applications and services can be seamlessly integrated within the network infrastructure

## OVERVIEW

The 3Com® Open Services Module (OSM) provides a highly flexible and cost-effective method of deploying applications and services directly into the network infrastructure. The module allows for a wide range of applications to be installed, delivering new services that can enrich business operations and opportunities. The powerful, flexible design of the OSM extends the capabilities of the 3Com router family, delivering unprecedented functionality and reduced cost of ownership.

## KEY BENEFITS

### PROVIDES AN OPEN AND FLEXIBLE PLATFORM

The OSM uses a secure version of industry-standard Linux, enabling it to support a very wide range of applications and services, including 3Com and third-party applications and those developed in the open source community. A Software Development Kit (SDK), which provides all the tools and documentation needed to develop additional applications for use on the module, is also available.

### SUPPORTS A COMPREHENSIVE LIST OF APPLICATIONS

A wide range of applications and services is supported, from multiple sources including 3Com, third-party and open source community developers. This broad, diverse, economical and continuously growing range of network-centric solutions includes:

- › 3Com Asterisk IP PBX
- › Expand Networks WAN optimization and application acceleration
- › VBrick Systems video management delivery
- › Vericept Email information leak protection
- › Q1 Labs SIEM and network behavior analysis
- › Linesider policy-based provisioning and configuration tools
- › MRTG
- › NTOP
- › Wireshark
- › NAGIOS



3Com Open Services Modules: Flexible Interface Card (FIC) on left, Multi-function Interface Module (MIM) on right

## KEY BENEFITS (CONTINUED)

### REDUCES COST OF OWNERSHIP

By supporting applications within the router, the need for additional appliances or devices is reduced, eliminating redundant management of multiple devices and lowering capital expenditures and operating costs. The flexible and open nature of the Open Services Module allows new applications to be loaded onto it as organizational needs change, without having to acquire additional hardware.

### ALLOWS EASY EXPANDABILITY

Where required, multiple OSMs can be used within a single router chassis so that additional services and applications can be easily added as business requirements evolve.

### INTEGRATES DATA FLOW

The OSM operates as a fully integrated part of the router. All data flows to it occur across the backplane of the router, ensuring maximum performance and reliability.

Three internal data flow modes—server, copy and redirect—are provided to support the widest possible range of applications:

- server mode: the OSM has an IP address and appears like any other Ethernet interface to the router. Applications such as VoIP call control, network authentication and Web services would typically use this mode.
- copy mode: traffic flowing across the router backplane is additionally copied to the OSM, enabling it to monitor traffic flows in applications such as network monitoring and packet capture.
- redirect mode: traffic is forced to flow through the module before going to its destination. This mode is typically used for security applications such as firewalls and intrusion prevention, and can also be used for WAN applications such as optimization and caching.

The above modes can be applied to individual data flows with the mode being independently defined for each. This ensures that a wide variety of applications can be supported simultaneously and with maximum backplane efficiency.

### EMBEDS MANAGEMENT

Management of the OSM is fully embedded within the router. The Open Services Networking Control Agent (OSN|CA) provides simple point-and-click installation of applications, authenticated and secure communication with the router itself, and other tools such as upgrade and rollback for the applications on the module.

The agent also communicates directly with the host router to initiate and manage traffic flows, seamlessly and automatically. CLI, SNMP and other management tools are also supported.

## SPECIFICATIONS

	Router OSM FIC (3CR14870-72)	Router OSM FIC (0231A86W)	Router OSM MIM (0231A704)
<b>HARDWARE</b>			
Operating system	OSN   OS Linux 1.1.2	OSN   OS Linux 1.1.2	OSN   OS Linux 1.1.2
Memory:			
Hard drive (GB)	80	80	80
RAM (MB)	1024	1024	1024
Flash (MB)	256	256	256
Ports:			
10BASE-T/100BASE-TX/1000BASE-T	1	1	1
USB 1.1	2	2	2
Console	1	1	1
<b>APPLICATIONS</b>			
Expand WAN Application Acceleration	✓	✓	✓
Digium Asterisk IP PBX	✓	✓	✓
VBrick Video Management Delivery	✓	✓	✓
Vericept Email Information Leak Protection	✓	✓	
QILabs SIEM and Network Behavior Analysis	✓	✓	✓
Linesider Policy Based Provisioning and Configuration Tools	✓	✓	
MRTG	✓	✓	✓
NTOP	✓	✓	✓
Wireshark	✓	✓	✓
NAGIOS	✓	✓	✓

### MANAGEMENT

CLI via console or Telnet  
System configuration with SNMP v1, 2 and 3  
3Com OSN Control Agent  
SSH

3Com management applications:

- 3Com Enterprise Management Suite for flexible, extensible management in advanced enterprise IT environments
- 3Com Network Director for comprehensive, turn-key network management in the enterprise

### ENVIRONMENTAL REQUIREMENTS

Operating temperature: 0° to 40°C (32° to 104°F)  
Humidity (operating): 5% to 85% non-condensing

### REGULATORY COMPLIANCE

CE Mark for European Union Council Directive 99/5/EC

### EMISSIONS / AGENCY APPROVALS

EN 55022 Class A  
FCC Part 15  
CISPR 22 Class A  
CFR 47 Class A  
ICES-003 Class A  
AS/NZS CISPR22 Class A  
VCCI V-3 Class A

### IMMUNITY

EN 55024  
EN 61000-3-2 and -3-3, 61000-4-2 to -4-6,  
61000-4-8 and 61000-4-11  
CISPR 24

### SAFETY AGENCY CERTIFICATIONS

UL 60950 3rd Edition  
CAN/CSA-C22.2 #60950  
EN 60825-1, -2  
EN 60950  
IEC 60950  
AS/NZS60950: 2000

### WARRANTY AND OTHER SERVICES

Limited Hardware Warranty for 1 year  
Limited Software Warranty for 90 days  
90 days free telephone technical support  
Refer to [www.3com.com/warranty](http://www.3com.com/warranty)  
for details

## SERVICE AND SUPPORT

3Com Global Services offers the resources and talents of a major corporation plus more than two decades of experience in resolving network challenges and delivering business benefits to enterprises around the world.

Global support with a personalized focus in the local language helps drive productivity and minimize expenses. Because 3Com understands both the technology and the business, we're the partner you need to maintain your competitive edge and remain strong.

## ORDERING INFORMATION

PRODUCT DESCRIPTION	3COM SKU
3Com Open Services Module Flexible Interface Card	3CR14870-72
3Com Open Services Module Flexible Interface Card	0231A86W
3Com Open Services Module Multi-Function Interface Module	0231A704
<b>3Com Bundled Software</b>	
3Com Open Services Networking Service Monitoring Bundle	3C15110
<b>Supported Routers</b>	
3Com MSR 50-40 Multi-Service Router Chassis	0235A297
3Com MSR 50-60 Multi-Service Router Chassis	0235A298
3Com MSR 30-16 Multi-Service Router	0235A327
3Com MSR 30-16 PoE Multi-Service Router	0235A321
3Com MSR 30-20 Multi-Service Router	0235A328
3Com MSR 30-20 PoE Multi-Service Router	0235A322
3Com MSR 30-40 Multi-Service Router	0235A299
3Com MSR 30-40 PoE Multi-Service Router	0235A323
3Com MSR 30-60 Multi-Service Router	0235A320
3Com MSR 30-60 PoE Multi-Service Router	0235A296
3Com Router 6040	3C13840
3Com Router 6080	3C13880
<b>3Com Global Services</b>	
3Com Network Health Check, Installation Services, and Express Maintenance	<a href="http://www.3com.com/services_quote">www.3com.com/services_quote</a>

Visit [www.3com.com](http://www.3com.com) for more information about 3Com secure converged network solutions.

3Com Corporation, Corporate Headquarters, 350 Campus Drive, Marlborough, MA 01752-3064  
3Com is publicly traded on NASDAQ under the symbol COMS.

Copyright © 2008 3Com Corporation. All rights reserved. 3Com and the 3Com logo are registered trademarks, and Guardian and Express are service marks, of 3Com Corporation. All other company and product names may be trademarks of their respective companies. While every effort is made to ensure the information given is accurate, 3Com does not accept liability for any errors or mistakes which may arise. All specifications are subject to change without notice. 401029-002 01/08

