

# Automatic Device Recognition

Patent-pending software provides additional security

## Overview

Digi CM™ is a best of breed console server that provides intelligent, secure and easy access to any network device with a serial console port via in-band or out-of-band management. Its new Automatic Device Recognition feature now makes the setup, configuration and management of console servers easier than ever.

## About Automatic Device Recognition

Automatic Device Recognition makes configuration and management of console servers easier by detecting which type of server, router or switch is connected to the unit. By automatically recognizing the device, administrators will reduce errors caused by incorrect cabling and can also reduce network equipment downtime by receiving alerts when devices go off-line.

When a user accidentally unplugs a device and then plugs it back into a different port, major issues can result and identifying the problem can be a big problem. Automatic Device Recognition can detect this type of cable change and the “Title” portion of the web interface will be updated to reflect the new location of the device. Automatic Device Recognition is also a time saver at the point of initial configuration and installation, as the installer does not have to remember which server is plugged into which port. This reduces confusion and risk, thus maximizing uptime of console server systems.

Digi CM with Automatic Device Recognition can also monitor each of the serial ports, minimizing the risk associated with attached devices going off-line. For example, if a server attached to a Digi CM via the serial console port went down, Automatic Device Recognition could detect this condition and send out an SNMP trap or email message to notify the administrator for immediate action.

## How It Works

When turned “on,” Automatic Device Recognition sends a communication to all the devices attached to Digi CM. It then gathers information about those devices, such as the name and operating system, and populates that information into the Title field, saving the administrator from entering each one by hand. Alert configuration is done via the web or command line interface.



Digi CM Console Server

Serial port connection						
Port access menu connection						
Port access menu connection						
Individual port connection						
P	C	M	Port#	Title	# of User	Comments
1				Loopback Plug	0	< Not used >
3				CISCO.Router.port3	0	< Not used >
5				Sun.SunSPARC-Demo.port5	0	< Not used >

See how Ports 3 and 5 were automatically detected using Automatic Device Recognition

## Compatibility

Automatic Device Recognition has been tested successfully with Digi CM for compatibility with Sun® servers, Cisco® routers, Linux® servers and various other network devices. It will work with virtually any device connected to a Digi CM serial port, provided those devices respond to a probe string. While Digi continuously adds Automatic Device Recognition support for new devices, users may also configure Digi CM to support custom devices.

Automatic Device Recognition is a standard feature on Digi CM 8, Digi CM 16, Digi CM 32 and Digi CM 48.

## Features/Benefits

Automatically detects and recognizes attached device

Auto-populating port Title field

Disconnected device alert

- Fewer errors since administrators can verify whether devices are plugged into correct ports
- Administrators no longer have to remember which device is associated with which port
- Downtime reduced by quickly notifying the administrator of equipment problem



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