DMC-CPU3

CPU Card for 8X8, 16X16, and 32X32 DigitalMedia™ Switchers

> CPU card replacement or upgrade for 8X8, 16X16, and 32X32 DigitalMedia™ switchers

> More powerful processor for improved performance

> Enterprise-grade security

> Built-in CONTENT LAN port for streaming

> USB port for saving/loading EDID settings and updating firmware via flash drive

> Web browser control [1]

> Crestron XiO Cloud™ provisioning and management

> No programming changes required when upgrading to the DMC-CPU3 card

The DMC-CPU3 card is included with the DM-MD8X8-CPU3, DM-MD16X16-CPU3, and DM-MD32X32-CPU3 DigitalMedia™ switchers and related redundant power supply models (DM-MD8X8-CPU3-RPS, DM-MD16X16-CPU3-RPS, and DM-MD32X32-CPU3-RPS). The DMC-CPU3 card can be purchased separately to provide a backup replacement or to upgrade the CPU card of previous DigitalMedia switcher models (DM-MD8X8, DM-MD16X16, DM-MD32X32, DM-MD8X8-RPS, DM-MD16X16-RPS, and DM-MD32X32-RPS). Replacement of a CPU card can be performed quickly on site without removing the switcher from the rack. When upgrading a switcher from a DMC-CPU card to the DMC-CPU3 card, configuration of IP settings is the only requirement for the switcher to become operational—no programming changes are required.

The DMC-CPU3 card, which is based on the 3-Series® platform, provides enhanced features that are not available on the DMC-CPU card. Features include enterprise-grade security, a dedicated CONTENT LAN port for streaming, web browser control, and support of the Crestron XiO Cloud™ service.
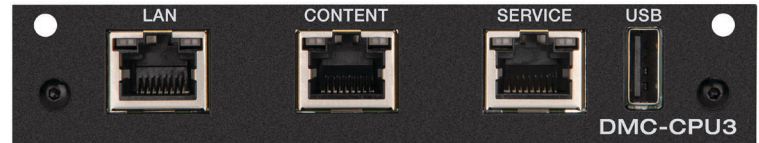
Enterprise-Grade Security

The DMC-CPU3 card delivers enterprise-grade security. Advanced security features and protocols such as 802.1x authentication, Active Directory® credential management, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), and HTTPS are supported.

Built-In CONTENT LAN Port

The DMC-CPU3 card provides a CONTENT LAN port for streaming. A streaming input or output may be configured to stream via the CONTENT LAN or control LAN port of the DMC-CPU3 card or via a dedicated CONTENT LAN port of a DMC Series input or output streaming card. Content and control can be combined on a single network or can be isolated onto separate networks.

Web Browser Control

The DMC-CPU3 card includes a built-in web server that allows functions such as Ethernet configuration, routing, and firmware upgrades to be performed.[1]

Crestron XiO Cloud Provisioning and Management

The Crestron XiO Cloud service is the unifying cloud-based platform for remote provisioning, monitoring, and management of Crestron devices across an enterprise or an entire client base. The XiO Cloud™ service enables installers and IT managers to deploy and manage thousands of devices in the amount of time it would ordinarily take to manage just one. It provides a zero-touch solution that allows complete configuration of device settings without any hardware in hand. Simply connect each device on site and let the XiO Cloud service push out the settings, licenses, drivers, and firmware updates automatically and securely for a quick and painless, ready-to-use deployment.

Ongoing XiO Cloud service facilitates daily management and monitoring of every device through a single dashboard with comprehensive reporting and logging, live status viewing and alerts, performance metrics and analytics, scheduled actions and updates, and more. As requirements grow and evolve, new features and functionality can be added easily to one or many devices at any time without ever going on site. The XiO Cloud service is a subscription-based service offering an adaptable SaaS (Software as a Service) solution with graduated levels of functionality and unlimited scalability. For more information about the XiO Cloud service, visit https://www.crestron.com/xiocloud.

SPECIFICATIONS

Communications

Ethernet: 100/1000 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, industry-standard TCP/IP stack, UDP/IP, CIP, secure CIP, DHCP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), FIPS 140-2 compliant encryption, IEEE 802.1X, SNMP, IPv4 or IPv6, Active Directory authentication, IIS v.6.0 Web Server, Private Network Mode

USB: USB 2.0 host port for USB mass storage devices

Connectors

LAN: (1) 8-pin RJ45 female;
100Base-TX/1000Base-T Ethernet port

CONTENT: (1) 8-pin RJ45 female;
100Base-TX/1000Base-T Ethernet port;
Provides a dedicated LAN connection for streaming only, used in lieu of streaming via the LAN port of the DMC-CPU3 card or the CONTENT LAN port of a DMC Series input or output streaming card

SERVICE: (1) 8-pin RJ45 female;
100Base-TX/1000Base-T Ethernet port;
For factory use only

USB: (1) USB Type A connector, female;
USB 2.0 host port for connection of a USB flash drive;
For save/load of EDID settings and firmware update

Controls & Indicators

LAN: (2) LEDs; Left LED, green indicates 100Base-TX link is established, amber indicates 1000Base-T link is established;
Right LED, flashing amber indicates Ethernet activity

CONTENT: (2) LEDs; Left LED, green indicates 100Base-TX link is established, amber indicates 1000Base-T link is established;
Right LED, flashing amber indicates Ethernet activity

SERVICE: (2) LEDs; Left LED, green indicates 100Base-TX link is established, amber indicates 1000Base-T link is established;
Right LED, flashing amber indicates Ethernet activity

Construction

Plug-in card, occupies the CPU card slot of an 8X8, 16X16, and 32X32 DigitalMedia switcher, includes metal faceplate with black finish

Weight

9.6 oz (273 g)

Compliance

UL Listed for US & Canada, IC, CE, FCC Part 15 Class B digital device

MODELS

Available Models

DMC-CPU3: CPU Card for 8X8, 16X16, and 32X32 DigitalMedia™ Switchers

Note:

1. Configuration of input cards, output cards, and endpoints is not supported.

This product may be purchased from an authorized Crestron dealer. To find a dealer, contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, visit www.crestron.com/opensource.

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