QM-DA-16

1 to 16 QuickMedia® Distribution Amplifier

The QM-DA-16 is a 16-output QuickMedia distribution amplifier designed to distribute a single QM signal to up to 16 QuickMedia Receivers. All signal distribution is provided over inexpensive CAT5e type cable* via Crestron's exclusive QuickMedia transport, supporting high-resolution RGB, video, stereo audio and microphone signals up to a total of 450 feet end-to-end.

Up to two QuickMedia Distribution Amplifiers, Matrix Switchers, and Distribution Centers may be cascaded in a given QuickMedia signal path* to support versatile system configurations. For instance, a QM-DA-16 may be used to expand the output capacity of a **QM-MD4X2** to feed a single output signal to sixteen different displays.

Every QuickMedia port on the rear panel is accompanied by a Cresnet port with 24V DC power distribution built in to simplify termination of the QuickMedia and Cresnet wiring. A built-in Cresnet hub provides 3 isolated segments, each supporting 3000 feet of Cresnet cabling and approximately 20 Cresnet devices.

> *1 to 16 QuickMedia signal distribution amp*
> *Easy single-cable connections*
> *Built-in Cresnet hub/repeater*
> *No control or adjustments necessary*
> *Single-space rack-mountable*

SPECIFICATIONS

Video
DA: 1 to 16 distribution amp; distributes QM video input signal to all of (16) QM outputs
Gain: 0dB

Audio
DA: 1 to 16 distribution amp; distributes QM audio input signal to all of (16) QM outputs
Gain: 0dB

Connectors
QM IN: (1) 8-wire RJ45 female and (1) 4-pin 3.5mm detachable terminal block comprising (1) QuickMedia input port with Cresnet;
Connects to Cresnet and QM output port of another QuickMedia device via **CresCAT-QM** cable*

QM OUT: (16) 8-wire RJ45 female and (16) 4-pin 3.5mm detachable terminal blocks comprising (16) QuickMedia output ports with Cresnet;
Connect to Cresnet and QM input ports of other QuickMedia devices via **CresCAT-QM** cable*

24/G: (4) 2-pin 5mm detachable terminal blocks providing (1) power connector per every (4) output NET ports;
Receive 24 Volts DC from external Cresnet power supplies;
Maximum Load: 75 watts each

NET: (1) 4-pin 5mm detachable terminal block;
Cresnet slave port; connects to Cresnet control network;
Power input for QM-DA-16 and input NET port

Ground: (1) 6-32 screw, chassis ground lug

LED Indicators
PWR: (1) green LED, indicates 24 Volts DC power supplied from Cresnet control network

Power Requirements
Cresnet Power Usage : 24 Watts (1.0 Amps @ 24 Volts DC)

Environmental
Temperature: 41° to 104°F (5° to 40°C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 81 BTU per hour

Enclosure
Chassis: Steel, black matte powder coat finish, convection-cooled, vented top and sides
Faceplate: Extruded aluminum, black matte powder coat finish with polycarbonate label overlay
Mounting: Freestanding or 1U 19-inch rack-mountable (adhesive feet and rack ears included)

Dimensions
Height: 1.70 in (4.32 cm)
Width: 17.03 in (43.25 cm);
19.0 in (48.26 cm) with ears

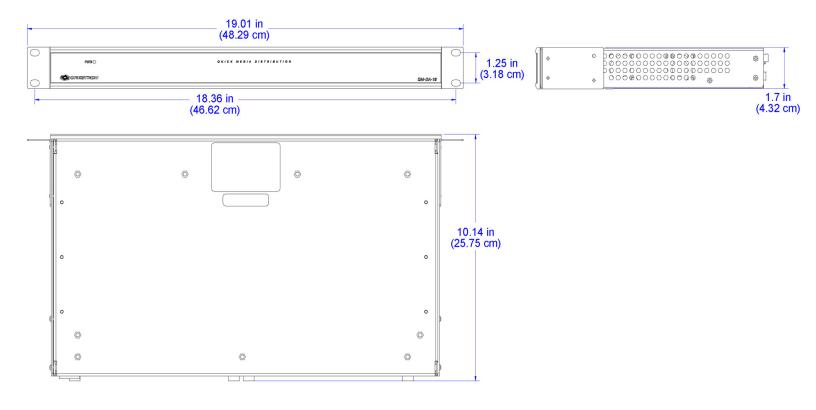**Depth:** 10.14 in (25.75 cm)

Weight
4.77 lb (2.16 kg)

* For QuickMedia wiring use CresCAT-QM, CresCAT-IM, or quality CAT5e/CAT6 cable with a delay skew of ≤15nS per 100m; the maximum aggregate cable length and delay skew between any QM transmitter (origination point) and QM receiver (endpoint) is 450 ft (137 m) and 22 nS; a maximum of two QM midpoint devices may be inserted in a given QM signal path; exceptions apply, refer to each respective product manual for full detail.

Available Models

QM-DA-16 [6501466]: 1 to 16 QuickMedia Distribution Amplifier [Limited Supply]

CRESTRON®

19.01 in
(48.29 cm)

1.25 in
(3.18 cm)

18.36 in
(46.62 cm)

1.7 in
(4.32 cm)

10.14 in
(25.75 cm)