DP DA2

TWO OUTPUT DISPLAYPORT DISTRIBUTION AMPLIFIER

▸ **EDID Minder® automatically manages EDID communication between connected devices**

▸ **Key Minder® continuously verifies HDCP compliance**

▸ **HDCP compliant**

▸ **Supports DisplayPort data rates up to 10.8 Gbps**

▸ **Supports PC resolutions up to 2560x1600 @ 60 Hz and HDTV 1080p/60**

▸ **Supports resolutions up to 3840x1080 extended across two displays**

▸ **Automatic input cable equalization**

▸ **Output muting**

▸ **Energy-efficient external universal power supply included**

The Extron DP DA2 is a one input, two output DisplayPort distribution amplifier. It features EDID Minder® and Key Minder®, two Extron-exclusive technologies that automatically manage EDID communication and HDCP negotiation for reliable operation in commercial AV applications. The DP DA2 is ideal for applications that require the distribution of a DisplayPort source signal to two displays.

Extron® Electronics
INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **DP DA2** is a one input, two output DisplayPort distribution amplifier. The DP DA2 is HDCP compliant and supports data rates up to 10.8 Gbps and computer resolutions up to 2560x1600 @ 60 Hz. The DP DA2 features two Extron-exclusive technologies: EDID Minder®, which maintains continuous EDID communication between connected devices, and Key Minder®, which continuously authenticates HDCP encryption between all devices, ensuring the simultaneous distribution of source content to both displays. Dual-mode DisplayPort support allows source signals to be sent to HDMI, DVI, or VGA display devices using the appropriate adapters. The DP DA2 is ideal for applications that require the distribution of a DisplayPort source signal to two displays.

The DP DA2 supports computer resolutions up to 3840x1080 @ 60 Hz, allowing the computer desktop to be extended across two displays. In addition, the DP DA2 provides automatic input cable equalization up to 25 feet at 2560x1600 @ 60 Hz using Extron DisplayPort Series cable. Outputs can be muted independently via RS-232 or contact closure. LED indicators provide immediate visual confirmation of EDID status, HDCP authentication, and signal presence for each port.
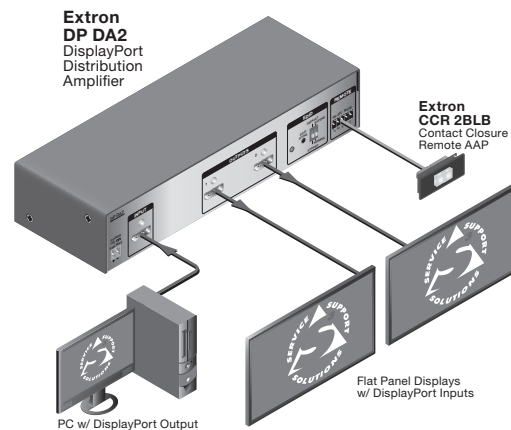
FEATURES

- ▶ EDID Minder automatically manages EDID communication between connected devices

- ▶ Key Minder continuously verifies HDCP compliance

- ▶ Supports DisplayPort rates up to 10.8 Gbps

- ▶ Supports PC resolutions up to 2560x1600 @ 60 Hz and HDTV 1080p/60

- ▶ HDCP compliant

- ▶ Outputs support Dual-mode DisplayPort for interoperability with HDMI, DVI, and VGA display devices

- ▶ Supports resolutions up to 3840x1080 extended across two displays

- ▶ Automatic input cable equalization to 25 feet (7.6 meters) at 2560x1600 @ 60 Hz with Extron DisplayPort cables

- ▶ Output muting control via RS-232 or contact closure

- ▶ Rack-mountable, 1U half rack width metal enclosure

- ▶ Energy-efficient external universal power supply included, replacement part # 70-775-01

SPECIFICATIONS

VIDEO	
Maximum data rate	Up to 10.8 Gpbs (2.7 Gpbs per lane)
Resolution range	Up to 2560x1600 @ 60 Hz (Normal) and up to 3840x1080 @ 60 Hz (Extend)

VIDEO INPUT	
Input cable length	Up to 25' (7.6 m)

CONTROL	
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Contact closure	(1) 3.5 mm, 5-pole captive screw connector (shared with RS-232) for video mute

GENERAL	
Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
Power consumption Device and power supply	5.4 watts
Thermal dissipation Device and power supply	17.7 btu/hr
Mounting Rack mount	Yes, with optional rack shelf kit
Enclosure type	Metal
Enclosure dimensions	1.75" H x 8.75" W x 3.0" D (half rack wide) 4.4 cm H x 22.2 cm W x 7.6 cm D (Depth excludes connectors)
Product weight	0.5 lbs (0.2 kg)
Shipping weight	2 lbs (1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance Safety EMI/EMC	 CE, c-UL, UL CE, C-tick, FCC Class A, ICES, VCCI
Warranty	3 years parts and labor
NOTE: All nominal levels are at ±10%.	

Model	Version Description	Part number
DP DA2	Two Output DisplayPort	60-1221-01

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

APPLICATION DIAGRAM

Extron
DP DA2
DisplayPort
Distribution
Amplifier

Extron
CCR 2BLB
Contact Closure
Remote AAP

Flat Panel Displays
w/ DisplayPort Inputs

PC w/ DisplayPort Output

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02-2014
68-2252-01
REV. A1
Letter - English - NP