



# OG-12GDA-2x4

The OG-12GDA-2x4 is an openGear compatible, state of the art 12G-SDI distribution amplifier. The incoming 12G-SDI signals on the dual input channels are automatically equalized and the outputs are automatically relocked to four 12G-SDI outputs each. This dual input capability allows double the number of DAs in limited frame space. A 10x BNC rear connector module is included.

Designed for use in high density openGear 2RU frames including AJA's OG-X-FR frame, new DashBoard software support on Windows, macOS and Linux offers remote control and monitoring of the openGear architecture and provides convenient and industry standard configuration, monitoring and control options over a PC or local network.

<https://www.aja.com/products/og-12gda-2x4>

## Video Formats

- 150 Mbps - 12 Gbps, format agnostic

## Video Input Digital

- 2x 12G-SDI BNC, SMPTE-259/292/424/2081/2082

## Video Output Digital

8x 12G-SDI BNC, SMPTE-259/292/424/2081/2082, noninverting

## Cable Equalization

(Belden 1694A coax)

- 12 Gbps, 45m
- 6 Gbps, 90m
- 3 Gbps, 140m
- 1.5 Gbps, 185m
- 270 Mbps, 365m

## Reclocking

- 270 Mbps, 1.483 Gbps, 1.485 Gbps, 2.967 Gbps, 2.970 Gbps, 5.934 Gbps, 5.940 Gbps, 11.868 Gbps, 11.880 Gbps - Auto Select
- All other rates are passed through and not relocked

## User Interface

- openGear DashBoard network control software via Windows, macOS or Linux

## Size (w x d x h)

- openGear standard form factor, front slot and rear card
- Two slots required for each card

## Weight

- 0.5 lb (0.3 kg)

## Power

- openGear frame compatible, 4.5 watts max per card

## Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)