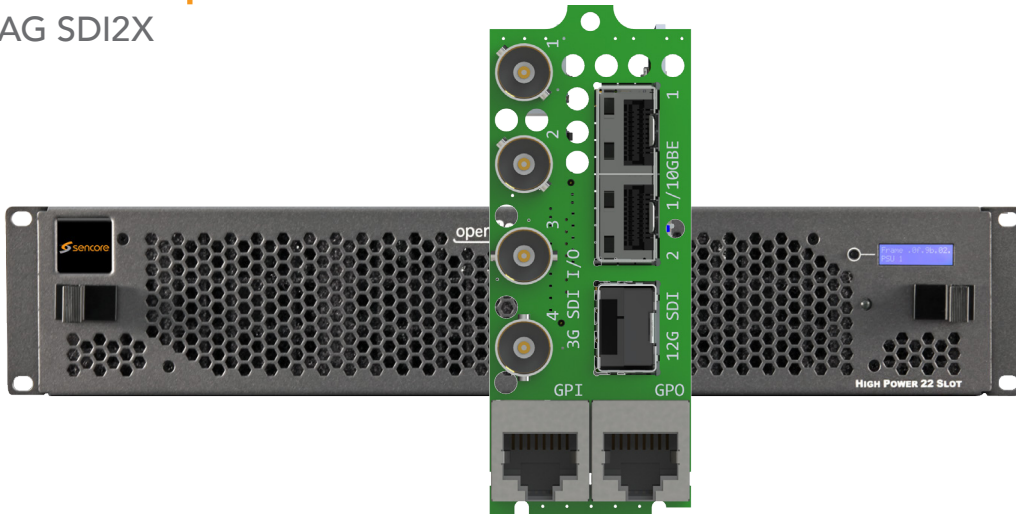


openGear® SDI/IP Gateway

Uncompressed IP and SDI

AG SDI2X



OVERVIEW

The Sencore AG SDI2X is a simple and dense solution for SDI over IP implementations, allowing for interconnection of legacy SDI infrastructure to newer, IP-based production gear. With up to 10 cards per 2RU and 4 video services per card, the card provides an industry-leading 40 services of SMPTE 2110 or SMPTE 2022-6 conversion in a 2RU openGear frame. And with wide protocol support and an expansive roadmap, the AG SDI2X is a future-proof solution to protect against network evolution in the long term.

APPLICATIONS

- Ingest Gateway for High Quality Video Backhaul**
 Convert multiple legacy signal paths to SMPTE 2022-6 and SMPTE 2110/TR-03 for transport across high-bandwidth IP networks.
- Ingress/Egress for Production Systems**
 Combine the AG SDI2X with other openGear ecosystem cards such as color correction, frame sync, or audio mixing to create the ideal miniature production studio with an IP output.
- Top of Rack Converter for Legacy Installations**
 Take advantage of the expandable openGear form factor and the density of the AG SDI2X to provide up to 40 SMPTE 2110 or SMPTE 2022-6 encapsulation instances in a 2RU package.

SPECIFICATIONS

I/O Interfaces

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|----------------------|--|
| SDI Connectors: | 4x 3G-SDI BNC 1x SFP for 12G-SDI (Optical or Coax)* |
| Ethernet Connectors: | 2x SFP+ Sockets |
| Supported SFPs: | 1 GbE Fiber/Copper (MSA-Compliant) 10 GbE Fiber (MSA-Compliant) |

Additional I/O: 8 Controllable GPIO (for Tally, etc.)*

Processing

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|------------|--|
| Standards: | SMPTE 2022-6 SSMPTE 2110 Standards SMPTE 2110-10 SMPTE 2110-20 SMPTE 2110-21 SMPTE 2110-30 SMPTE 2110-40 |
|------------|--|

| | |
|----------------------|---|
| Capacity (per Card): | 4x FHD/HD/SD Video Services 1x 4k UHD Video Service* 8x PCM Audio Pairs Full ANC Data (SMPTE 2038) |
|----------------------|---|

| | |
|---------------------------|--|
| Capacity (per 2RU Frame): | 40x FHD/HD/SD Video Services 10x 4k UHD Video Services* |
|---------------------------|--|

Synchronization: SMPTE 2059 (IEEE 1588 PTP)*

Correction: Hitless Switching (SMPTE 2022-7)
FEC (SMPTE 2022-5)*

Management

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|---------------------|--|
| Control Interfaces: | Web Interface Access via Dashboard HTTP RESTful API SNMP Status/Control/Traps Syslog Alarm Support |
|---------------------|--|

Form Factor

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|-------------|------------------------------------|
| Density: | 10 Cards per OpenGear® 3.0 Chassis |
| Rack Mount: | 2RU Frame |

Power

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|-----------------|---|
| Standard: | 120 VAC / 240 VAC Dual, Redundant Supply Available |
| Operating Temp: | 0 to 50 Degrees C |

* Planned Roadmap