The SCORPION-X18 Media Processing Platform is a high density signal conversion, video processing, routing, aggregation and transport platform capable of simultaneously transporting video, audio and data over traditional dark fiber and/or managed IP networks.

Using SCORPION Mini I/O Modules the SCORPION-X18 is highly flexible and can accommodate 12G/6G/3G/HD–SDI, DVB–ASI, 10/100/1000MbE, 10GbE, analog/AES/MADI audio, HDMI, Intercom, serial data and Telco interfaces. An onboard 12G crosspoint allows uncompressed routing internal to the chassis.

Up to 18x front-facing fiber or electrical SFPs allow for signal conversion, or additional signal I/O to and from the chassis. Optional media conversion to IP is available through a network adapter module. When multiple frames are combined, the transport platform becomes ultra-scalable, enabling the sharing of content across IP or fiber networks.

**Features & Benefits**

- High density fully modular 1RU form factor
- All-in-one platform handles all signal conversion, routing and transport needs
- Up to 18x single or 8x dual slots for populating mini I/O modules
- 12G–SDI cross-point to facilitate maximum flexibility of all I/O
- Dual 10/25/40/100GbE throughput (QSFP trunk ports)
- +NETAD option supporting deployment of software services/APPs
- Simultaneous IP and dark fiber transport
- MSA compliant SFP interfaces
- Diverse signal types such as 12G/6G/3G/HD–SDI, DVB–ASI, 10/100/1000/10G Ethernet, Analog/AES/MADI audio, HDMI, Intercom, serial data and Telco interfaces
- Main and redundant power modules and external power supply
- Integrated with Evertz’ MAGNUM, VistaLINK® PRO, inSITE and VUE, along with external APIs
Specifications

<table>
<thead>
<tr>
<th>System:</th>
<th>Impedance:</th>
<th>Max. Power Consumption:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density:</td>
<td>Dependant on SCORPION mini I/O module (see appropriate specifications)</td>
<td>280W</td>
</tr>
<tr>
<td>Impedance:</td>
<td>1 looping</td>
<td>Creators Max: 4-pin male XLR</td>
</tr>
<tr>
<td>Connector:</td>
<td>BNC IEC 61169 &amp; Annex A</td>
<td>Status Indicators: SCORPION–X18–PS status LEDs (each per power supply tray)</td>
</tr>
<tr>
<td>Physical:</td>
<td>Analog 625 or 525, Tri-Level HD</td>
<td>Compliance:</td>
</tr>
<tr>
<td>Dimensions:</td>
<td>1.848 h x 19” w x 13.875” d</td>
<td>Safety: CSA listed, complies with EU safety directive</td>
</tr>
<tr>
<td>Module Capacity:</td>
<td>18x Evertz SFP modules</td>
<td>Electrical:</td>
</tr>
<tr>
<td>Operating Temp.:</td>
<td>0–50°C</td>
<td>Power Supply Configuration:</td>
</tr>
<tr>
<td>Number of Inputs:</td>
<td>1 looping</td>
<td>Dual external supplies (primary/secondary)</td>
</tr>
<tr>
<td>Connector:</td>
<td>Analog 625 or 525, Tri-Level HD</td>
<td>Voltage: DC input 48V DC</td>
</tr>
<tr>
<td>Impedance:</td>
<td>75Ω</td>
<td>(external power supplies requires 0/60Hz)</td>
</tr>
<tr>
<td>Reference:</td>
<td></td>
<td>Safety:</td>
</tr>
<tr>
<td>Reference Inputs:</td>
<td></td>
<td>Green OK LED</td>
</tr>
<tr>
<td>Voltage:</td>
<td></td>
<td>Status Indicators:</td>
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<tr>
<td>Power Supply Configuration:</td>
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<tr>
<td>Max. Power Consumption:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Power Dissipation:</td>
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<td></td>
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<tr>
<td>Status Indicators:</td>
<td>Green OK LED</td>
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</tr>
</tbody>
</table>

Ordering Information

**SCORPION–X18** Media Processing Platform Multiframe with onboard 80x80 12G crosspoint — frame controller not included

**SCORPION–X18–NP6X** Media Processing Platform Multiframe with onboard 80x80 12G crosspoint — frame controller and power supply not included

**Ordering Options**

**SCORPION–X18–CWDM–2–M18**
18-channel CWDM multiplexer (occupies single FC slot)

**SCORPION–X18–CWDM–2–D18**
18-channel CWDM de-multiplexer (occupies single FC slot)

**Available Mini I/O Modules**

* See SCORPION Mini I/O Modules specification document for more details.

**Recommended QSFP/SFP Modules**

* See SCORPION Compatible SFPs specification document for more details.

SCORPION–X18–APP–IPG12G
SCORPION–X18–APP–IPG3G–40G
SCORPION–X18–APP–IPG3G–50G
SCORPION–X18–APP–IPG3G–100G
SCORPION–X18–APP–J2K–12E
SCORPION–X18–APP–J2K–24E
SCORPION–X18–APP–J2K–48E
SCORPION–X18–APP–J2K–128E
SCORPION–X18–APP–J2K–512E
SCORPION–X18–APP–J2K–1024E

SCORPION–X18–APP–IPG12G
SCORPION–X18–APP–IPG3G–40G
SCORPION–X18–APP–IPG3G–50G
SCORPION–X18–APP–IPG3G–100G
SCORPION–X18–APP–J2K–12E
SCORPION–X18–APP–J2K–24E
SCORPION–X18–APP–J2K–48E
SCORPION–X18–APP–J2K–128E
SCORPION–X18–APP–J2K–512E
SCORPION–X18–APP–J2K–1024E

**Software Applications (deployed on +NETAD):**

**SCORPION–X18–APP–IPG12G**
SCORPION–X18–APP–IPG3G–40G
SCORPION–X18–APP–IPG3G–50G
SCORPION–X18–APP–IPG3G–100G
SCORPION–X18–APP–J2K–12E
SCORPION–X18–APP–J2K–24E
SCORPION–X18–APP–J2K–48E
SCORPION–X18–APP–J2K–128E
SCORPION–X18–APP–J2K–512E
SCORPION–X18–APP–J2K–1024E

**Recommended QSFP/SFP Modules**

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**Available Mini I/O Modules**

* See SCORPION Mini I/O Modules specification document for more details.

**Recommended QSFP/SFP Modules**

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