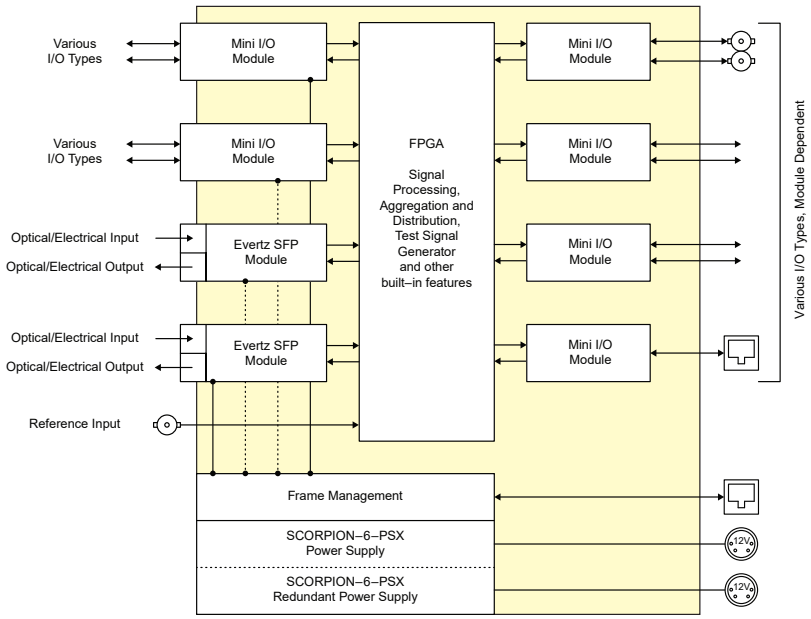
SCORPION–6

Standalone Form Factor

The SCORPION–6 Media Processing Platform is a silent standalone form factor enabling the aggregation, transport and processing of video, audio and data signals. Using SCORPION MIO modules, the SCORPION–6 is highly flexible and can be connected into fiber, baseband or IP networks ranging from 1–25GbE.

When deployed as a flexible IP edge device, the SCORPION–6 becomes part of an integrated, scalable transport network, enabling the sharing of content from different sites using different transport media.

The SCORPION–6 is a small fanless form factor, and is designed to be operated in portable and/or low noise environments.



Features & Benefits

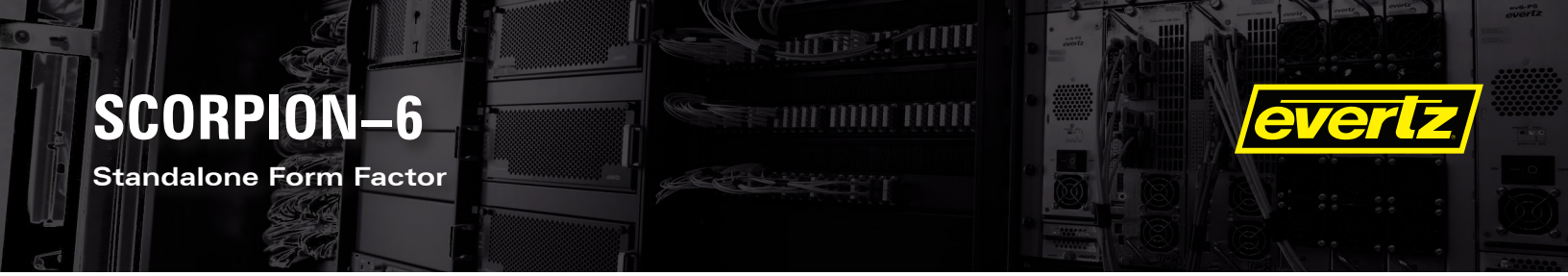
- Fan–less/silent form factor
- Houses up to 3x dual–slot or 6x single slot MIO modules
- Up to 2x SFP ports for transport connectivity
- Supports MSA Ethernet SFPs (1/10/25GbE)
- Built–in frame controller for monitoring and management
- 12V power brick included, with the option of a redundant
- MAGNUM, VUE, VistaLINK® PRO and inSITE monitoring and control
- NMOS compliant (IS–04 v1.3, IS–05 v1.1, BCP–002–01 v1.0)

Built–In Features:

- SMPTE ST 2110 gateway
- SMPTE ST 2022–2/6 gateway
- Basic test pattern generator
- Crosspoint–like routing of I/O

Application Highlights:

- Remote production/ media transport
- Camera control unit (CCU)
- Post production endpoint
- IP network edge device
- Multiviewer HDMI endpoint



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Specifications

System:

Density:	2x SFP cages, 6x single– or 3x dual–slots for SCORPION mini I/O modules
Impedance:	Depends on SCORPION mini I/O module (see appropriate specifications)
Connector:	Depends on SCORPION mini I/O module (see appropriate specifications)

Communication and Control:

Ethernet:	SNMP over IEEE 802.3/U (10/100/1000 BaseTx) RJ–45 connector
Control:	SNMP, web access, direct control and control panels

Electrical Inputs/Outputs:

Connector:	Depends on SCORPION mini I/O module (see appropriate specifications)
Impedance:	Depends on SCORPION mini I/O module (see appropriate specifications)

Reference:

Number of Inputs:	1
Connector:	BNC IEC 61169.8 Annex A
Reference Inputs:	Analog 625 or 525, Tri–Level HD
Impedance:	75Ω

Physical:

Dimensions:	3.125" H x 8.5" W x 8" D (80 x 216 x 204mm)
Module Capacity:	2x Evertz SFP modules, up to 6x SCORPION mini I/O modules
Ambient Temp.:	0–30°C

Electrical:

Power Supply Configuration:	Dual external supplies (primary/secondary)
Voltage:	DC input 12V DC (external power supplies require 110–220V AC, 50/60Hz)
Power Consumption:	25W empty, 132W fully loaded
Connectors:	12V DC, auto–ranging 100–240V AC 50/60Hz adapter included
Status Indicators:	LED on unit

Compliance:

Safety:	NEMKO listed, complies with CAN/CSA–C22.2 No. 62368–1:2019, UL 62368–1:2019, IEC 62368–1:2018, IEC 60950–1:2005, AMD1:2009, AMD2:2013
EMC/EMI:	EN55032:2012/AC:2013, EN55035:2017, FCC 47 CFR Part 15, Subpart B, ICES–003 Issue 6
Supported Media Standards:	AMWA NMOS IS–04 v1.3, IS–05 v1.1 and BCP–002–01 v1.0

Ordering Information

SCORPION–6	SCORPION Standalone frame. Available IO space for populating 6 single or 3 dual slot MIO modules, and 2 SFP modules. Redundant power supply sold separately.

Ordering Options:

SCORPION–6–PSX	External Power Supply for SCORPION–6
SCORPION–6–RP1	Single SCORPION–6 19" Rack Mount Kit
SCORPION–6–RP2	Dual SCORPION–6 19" Rack Mount Kit

Mini I/O Module Options:

MIO–VB–2–12G	12G/6G/3G/HD/SD/ASI video access module
MIO–GE–RJ45–IP–SA	1GbE Ethernet access module with onboard processing
MIO–AES–IP–SA	Dual AES67 encapsulator and de–encapsulator
MIO–AES–IN4–IP–SA	Quad AES67 encapsulator
MIO–AES–OUT4–IP–SA	Quad AES67 de–encapsulator
MIO–AES–D4–SA	AES audio de–embedder module
MIO–MADI–2–IP–SA	Single MADI encapsulator and de–encapsulator
MIO–DANTE–64–SA	Dante® to TDM bridge module
MIO–IT–IP–SA	Intercom transceiver module (2x analog audio in/out, 2x serial data, 4x GPIO), dual slot
MIO–AVT–SA	Analog video/Black Burst transmit module with loop out
MIO–AVR–SA	Analog video/Black Burst receive module
MIO–USB–A–SA	USB–A HID interface
MIO–USB–B–SA	USB–B HID interface
MIO–HDMI–IN–3G–SA	HDMI input access module
MIO–HDMI–OUT–3G–SA	HDMI output access module
MIO–HDMI–IN–4K–SA	4K SDI or HDMI input module, dual slot
MIO–HDMI–OUT–4K–SA	4K SDI or HDMI output module, dual slot
MIO–HDMI–IN1–4K–IP–SA	HDMI input module with onboard processing, dual slot
MIO–HDMI–OUT1–4K–IP–SA	HDMI output module with onboard processing, dual slot
MIO–HDMI–2–4K–IP	HDMI microservice module
MIO–BLADE–Z21	Microservice module
MIO–DE4–3G–SA	3G/HD/SD–SDI SCTE/data/LTC/GPI embedding module
MIO–DD4–3G–SA	3G/HD/SD–SDI SCTE/data/LTC/GPI de–embedding module

Ordering Information (continued)

SFP Interface Options:

SFPTR–13	SFP optical non–reclocked transceiver, 3Gb/s, 1310nm, SMF
SFPTR–13–R	SFP optical reclocked transceiver, 3Gb/s, 1310nm, SMF
SFP3TR–13–12G	SFP optical reclocked transceiver, 12Gb/s, 1310nm, SMF
SFP12G–T13–2	SFP optical reclocked dual transmitter, 12Gb/s, 1310nm, SMF
SFP12G–R–2	SFP optical reclocked dual receiver, 12Gb/s, 1310nm, SMF
SFPTR–M–HDBNC–R	SFP electrical reclocked transceiver, 12Gb/s, HD–BNC
SFP3T13–2	SFP dual optical non–reclocked transmitter, 3Gb/s, 1310nm, SMF
SFP3T13–2–S	SFP dual optical non–reclocked transmitter, 3Gb/s, short haul 1310nm, SMF
SFP3T–xx/yy–2	SFP dual optical non–reclocked transmitter, 3Gb/s, CWDM, SMF
SFP3R–2	SFP dual optical non–reclocked receiver, 3Gb/s, standard sensitivity, SMF
SFPTR–RJ45–SGM–AV	Single 10/100/1Gbps RJ–45 SFP module
SFP25G–TR13	SFP, 25Gb/s, SMF
SFP10G–TR13–A	SFP, 10Gb/s, SMF