

PXI Express System, 14579-033

BUILT FOR HIGH PERFORMANCE TEST AND MEASUREMENT APPLICATIONS

SCHROFF PXI 5350D SYSTEM

The SCHROFF PXI 5350D System provides seven hybrid-compatible slots for application flexibility. The chassis utilizes a single PCI segment with a dedicated PCIe-to-PCI bridge module for the hybrid slots. The PXI specific high accuracy clocks and trigger signals are generated and controlled by an independent clock module attached to the rear side of the backplane. The system is specified for up to 55 °C operating conditions based on the robust cooling and proven mechanical design.



FEATURES AND BENEFITS

- **Innovative modular chassis architecture**
Due to swappable function modules on backplane
- **Get your customized PXI Express systems**
Economical & fast to market thanks to the modular chassis concept
- **Reliable system design**
From decades of experience in robust and unique system design for industry, test & measurement

TECHNICAL DETAILS

- PCIe Gen 3, 8-slots full hybrid, 3U PXI Express Chassis
- Powerful cooling concept with low fan noise
- Ultra-high performance Gen 3 PCIe switching with a default four-link (4x4) system slot
- High data bandwidth (max. 12.5GB/s system and 4GB/s slot-to-slot) and a base PCIe Gen2 segment for Slot 5-8
- Rear panel external 10MHz clock inputs/outputs

SYSTEM SPECIFICATION

System Cooling

- Fans: 2X 80mm fans (152.3 CFM)
- Cooling capacity: 50 W per slot @ 15K temperature increase

Acoustic Emissions

Acoustic noise	Auto fan (25 °C)	Max fan RPM
Sound pressure level	21 dBA	48 dBA
Sound power	32 dBA	59 dBA

AC Feed

- Voltage range: 100 - 240 VAC at 50/60 Hz
- In-line filter with 8A fuse and power switch

DC Power Supply

- Maximum available power is 540 W in System

Voltage	Current	Load Regulation	Voltage Ripple
+3V3	25A	±2%	±50mV
+5V	25A	±2%	±50mV
+5Vaux	1A	-	±50mV
+12V	15A	±2%	±100mV
-12V	2A	±2%	±100mV

SYSTEM SPECIFICATION

Operating Environment

- Ambient temperature 0 °C to 55 °C (32 °F to 122 °F)
- Rel. humidity 20% to 80%, non-condensing

Storage Environment

- Ambient temperature -20 °C to 70 °C (4 °F to 158 °F)
- Rel. humidity 10% to 90%, non-condensing

Emissions Compliance and Safety

Designed in accordance to:

- FCC/ICES-003 (USA / CA) Class A – EN61326-1
- CE (Europe) Class A – EN61326-1
- CE/LVD (Europe) – EN 61010-1

Physical Dimensions

- 245.5 mm x 177 mm x 315 mm [W x H x D]
- Weight 5.0 kg [11.0 lbs]

System topology

- 1 System slot with three expansion slots
- 7 PXI Express Hybrid Slots

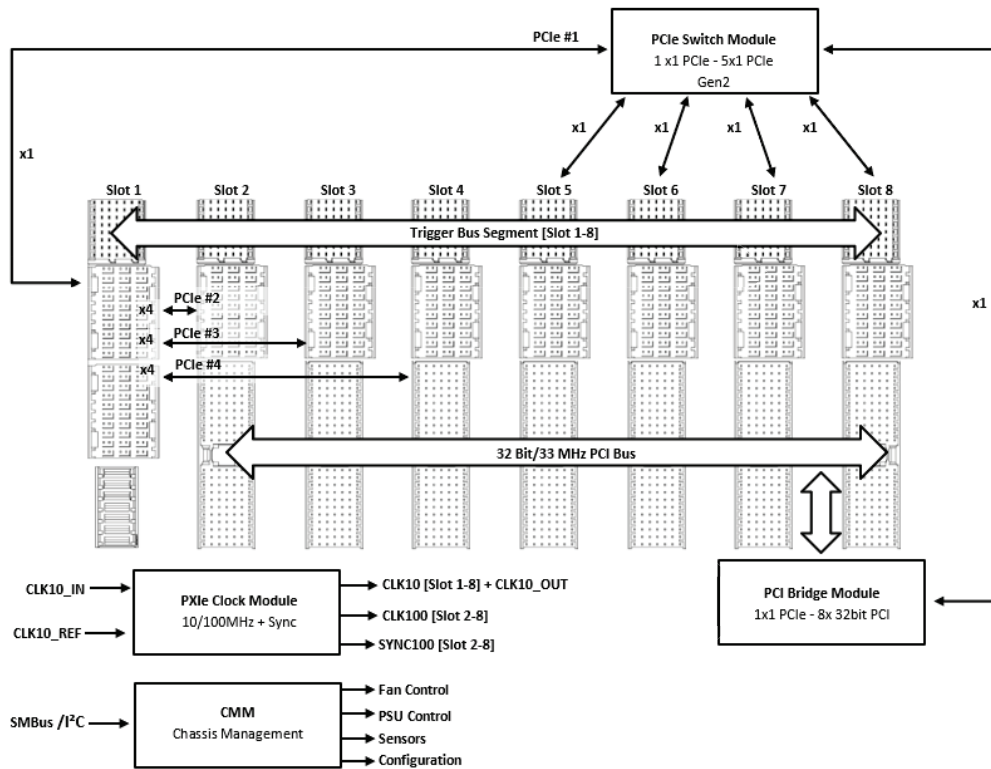
Bus Interface

- Four-link capacity PXI Express system slot
- Up to 12.5 GB/s PCIe Gen3 system bandwidth
- Up to 4 GB/s peripheral bandwidth to slots 2-4
- Base 0.5 GB/s peripheral bandwidth to slots 5-8
- PXI-1 compatible with 32bit / 33MHz PCI bus

Rear Terminal

- External 10MHz REF clock output via BNC connector
- Optional 10 MHz REF clock source via BNC connector
- M4 chassis ground screw

Order information	Item number
SCHROFF PXI 5350D-8H7	14579-033



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