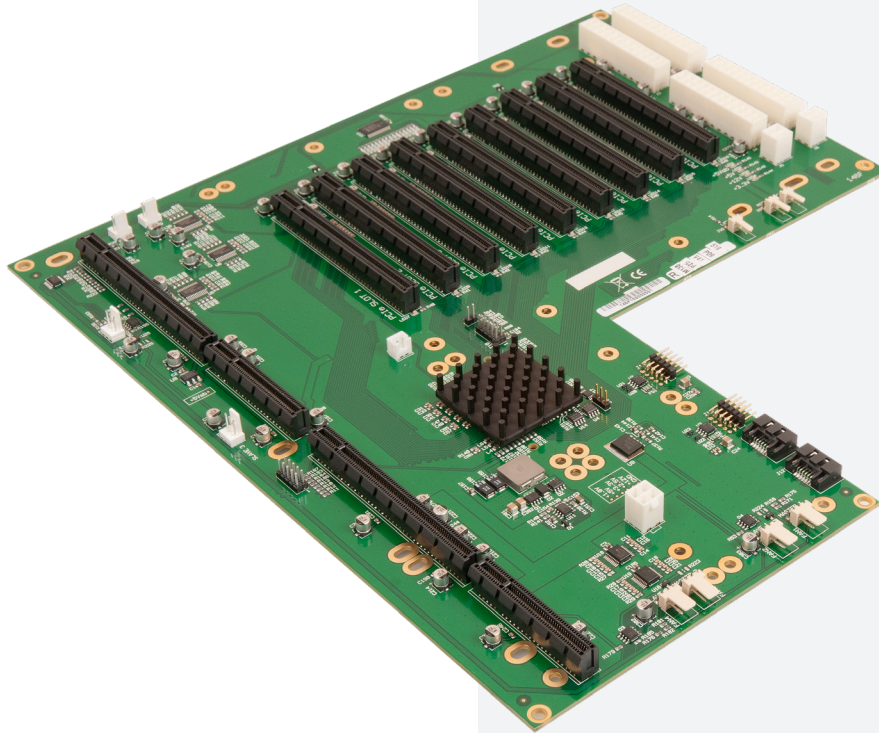


Express9

Express9-G3

9 Slot PCI Express Expansion Backplane



DESCRIPTION

The Datapath Express9 and Express9-G3 backplanes each provide nine PCI Express slots, 1 x8 lane and 8 x4 lane slots all implemented as x 16 physical connectors. They can be used with a standard PICMG 1.3 SBC as a stand alone system or in combination with the multiple backplanes to provide a PCI Express expansion system for a standard PC.

FEATURES

- Nine slot PCI Express backplane 1 x8 lane and 8 x4 lane slots
- 1 x PICMG 1.3 SBC slot
- Standard ATX form factor
- Support for daisy chaining multiple backplanes
- Express9
 - Supports 4GB/s full duplex links between backplanes using HLink-G3 and SLink-G3 (limited to Gen.1 and Gen.2)
 - 48 lane PCI Express 2.0 switch (5.0 GB/s per lane)
- Express9-G3
 - Supports 8GB/s full duplex links between backplanes using HLink-G3 and SLink-G3
 - 48 lane PCI Express 3.0 switch
 - 1920 x 1080p at 60Hz 4:4:4

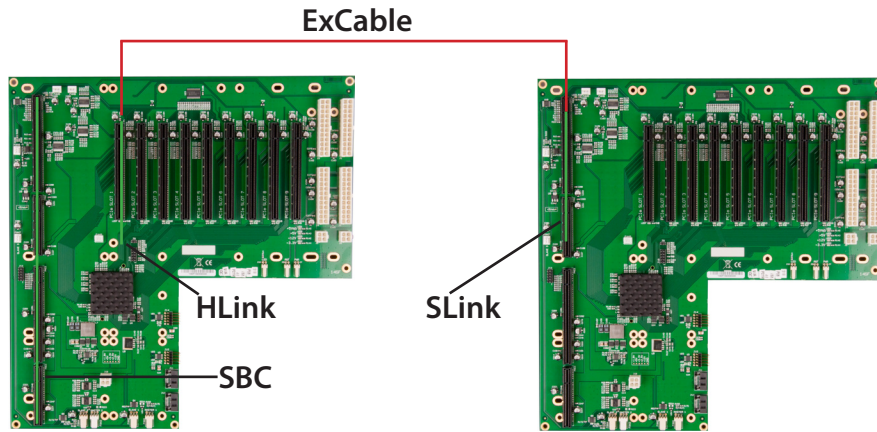
Engineering the **world's best** visual solutions


DATAPATH
EXCELLENCE BY DESIGN

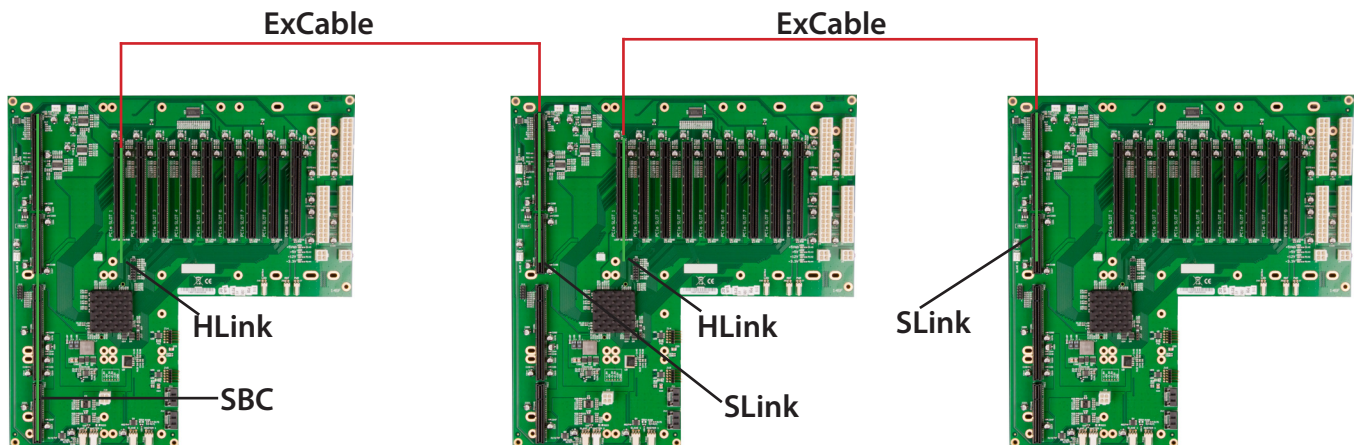
EXPANSION LINK - HLINK-G3, EXCABLE-G3 AND SLINK

The SLink cards can be used instead of a PICMG 1.3 SBC to configure the Express9 as an expansion backplane from a standard PC or from other Express9 backplanes. The cards are now available with Gen.3 compatibility supporting the new Datapath Express9-G3 backplane.

CONNECTING MULTIPLE EXPRESS9/ EXPRESS9 G3 BACKPLANES

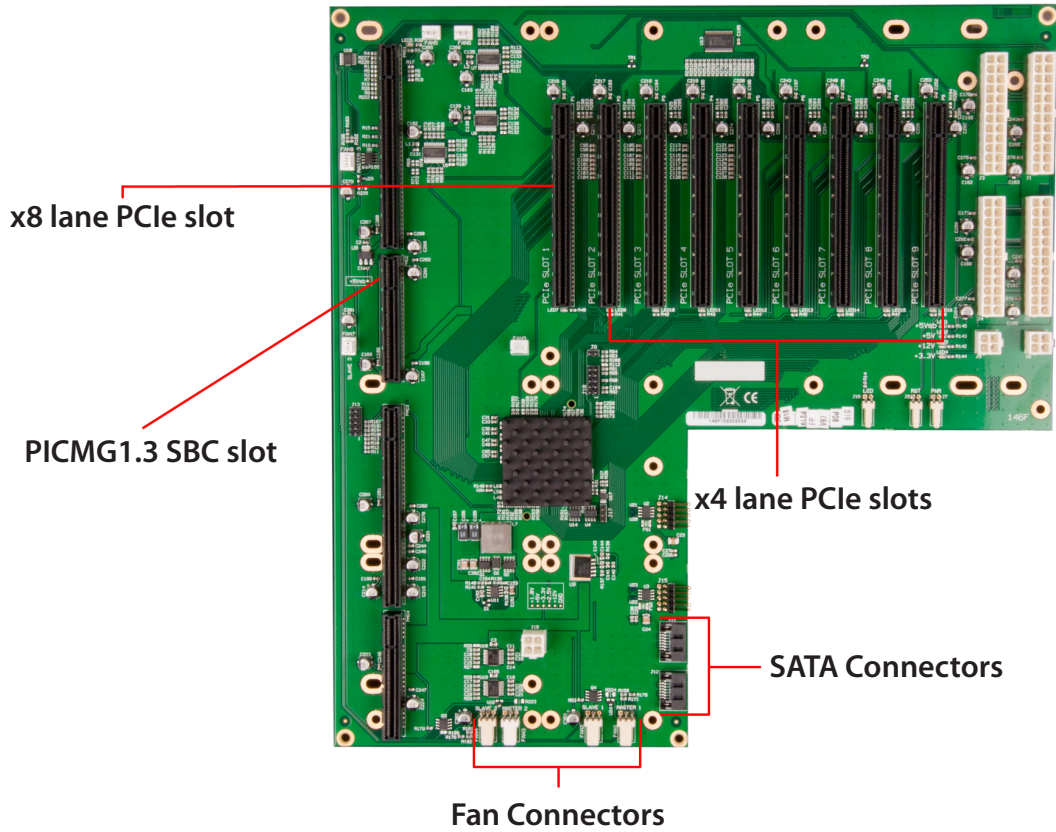


System providing up to 17 PCI Express slots



System providing up to 25 PCI Express slots

EXPRESS9/EXPRESS9-G3 LAYOUT



All PCI Express slots use a physical x16 connector and therefore will accept any PCI Express board type

SPECIFICATION

Covers both Express9 and Express9-G3 Backplanes

MAX POWER (WITHOUT SBC)

16W

POWER REQUIREMENTS

Max current at +3.3V < 0.5A

Max current at +12V < 0.5A

Max current at +5V < 1.5A

FORM FACTOR

PICMG1.3 Host SBC interface

1 x PCI Express (x8) expansion slot

8 x PCI Express (x4) expansion slot

ATX PSU

4 x 24 pin power connectors

(Express9)

2 x 24 pin power connectors

(Express9-G3)

SATA PORTS

2 x ports via PICMG1.3 interface

USB PORT

2 x ports via PICMG1.3 interface

OPERATING TEMP

0° to 35° C/32° to 95°F

STORAGE TEMP

-20° to 70° C/-4° to 158°F

RELATIVE HUMIDITY

5% to 90% non-condensing

MODELS AVAILABLE

Order Code: Express9

9 Slot PCI Express Gen.2 Expansion backplane PCIe 2.0 Switch

Express9-G3

9 Slot PCI Express Gen.3 Expansion backplane PCIe 3.0 Switch

We are continuously developing the technology used within our product ranges delivering outstanding innovative solutions, therefore the specification may change from time to time.

Datapath UK and Corporate Headquarters
Bemrose House, Bemrose Park,
Wayzgoose Drive, Derby,
DE21 6XQ, United Kingdom

☎ +44 (0) 1332 294 441
✉ sales-uk@datapath.co.uk

www.datapath.co.uk

Datapath North America
2490 General Armistead Avenue,
Suite 102, Norristown,
PA 19403,
USA

☎ +1 484 679 1553
✉ sales-us@datapath.co.uk

DATA PATH
EXCELLENCE BY DESIGN