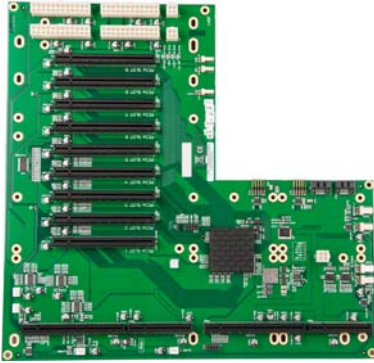


# PCIExpress9 PCIExpress9-G3



## 9 Slot PCI Express Expansion Backplane Advanced Graphics Display Technology



### DESCRIPTION

The EMS PCIExpress9 backplanes each provide nine PCI Express slots, 1 x8 lane and 8 x4 lane slots all implemented as x16 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
- Compatible with a standard 4U IPC chassis
- Support for daisy chaining multiple backplanes

#### Express9:

- Supports 4GB/s full duplex links between backplanes using HLink-G3 and SLink-G3
- 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

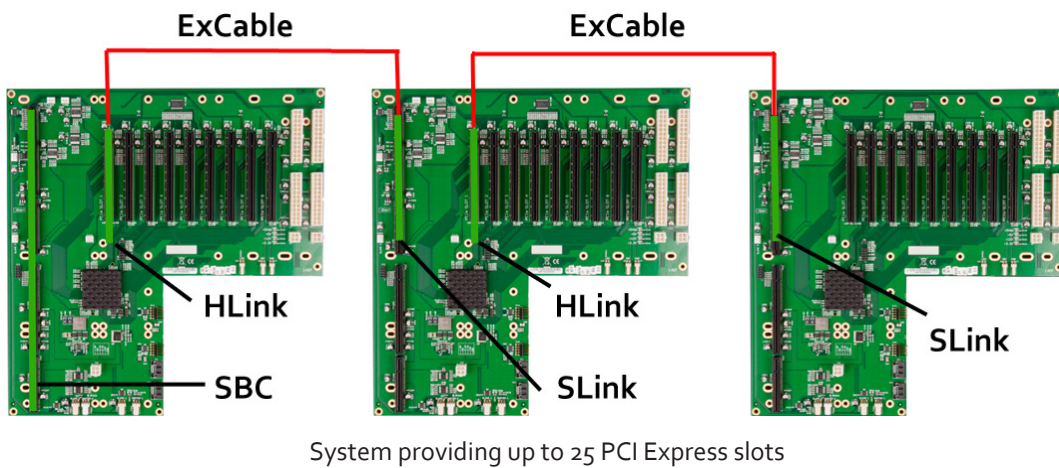
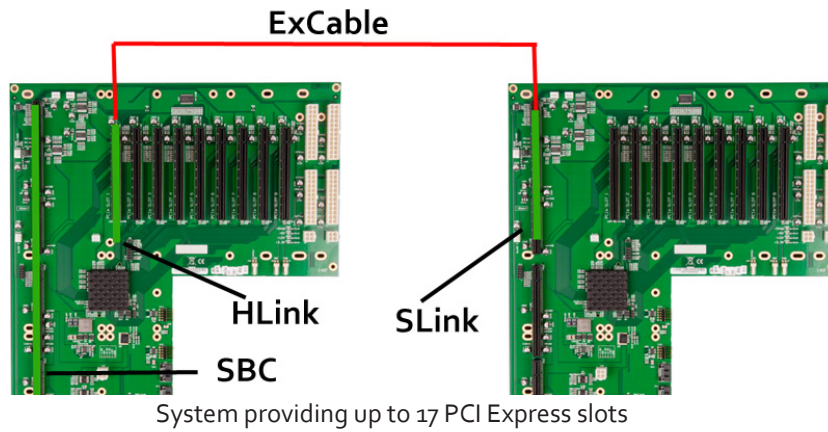


### Expansion Link - HLink-G3, ExCable-G3 and SLink

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 EMS PCIExpress9-G3 backplane.



## CONNECTING MULTIPLE \$ \text{EXPRESS9}/\\$ \text{EXPRESS9-G3} BACKPLANES



Note: Express9 -G3 is compatible with both HLink/SLink and HLink-G3/SLink-G3. The Express9 is only compatible with HLink/SLink

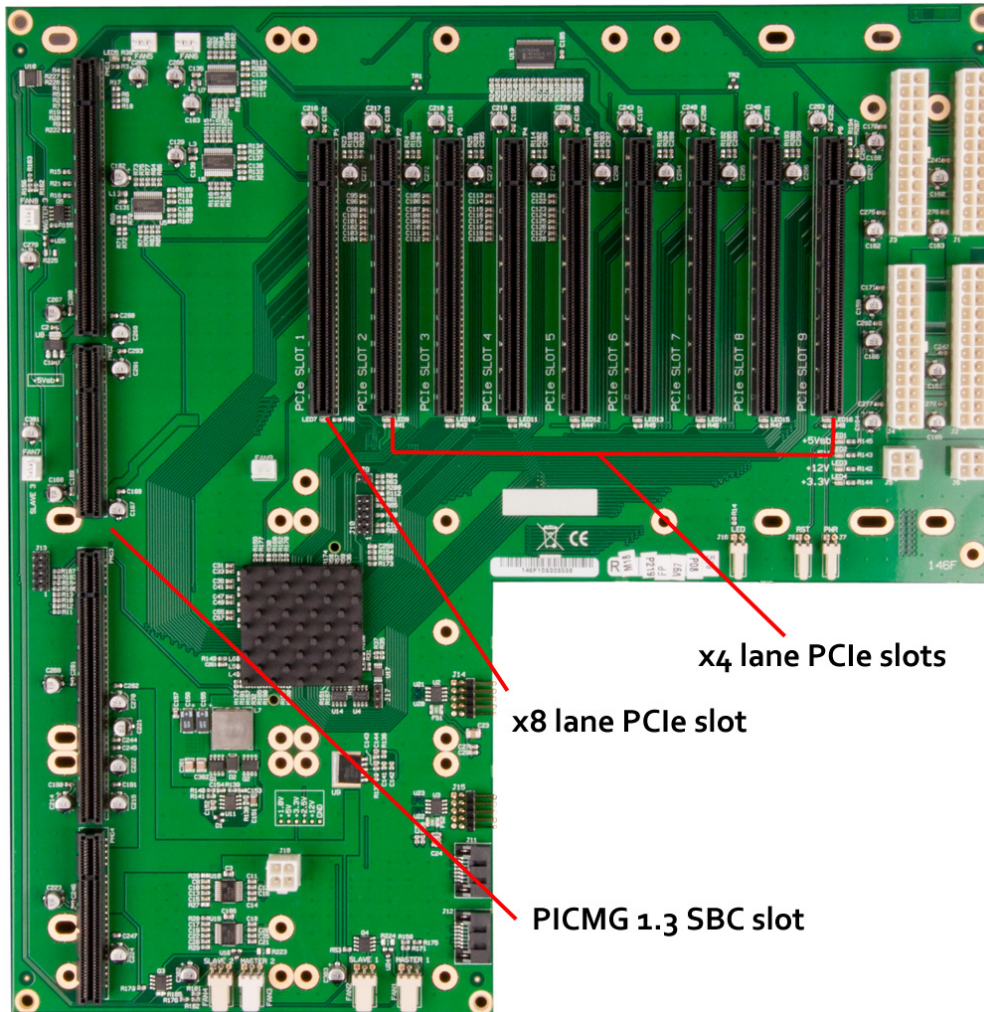
## SPECIFICATIONS

Covers both \$ \text{Express9-G3} and Express9 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 slots
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 Temperature	0 to 35 deg C/32 to 95 deg F
Storage Temperature	-20 to 70 deg C/-4 to 158 deg F
Relative Humidity	5% to 90% non-condensing

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

## PCI EXPRESS9/PCI EXPRESS9-G3 LAYOUT



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

### MODELS AVAILABLE

Code	Description
PCIExpress9	9 Slot PCI Express Gen.2 Expansion backplane PCIe 2.0 Switch
PCIExpress9-G3	9 Slot PCI Express Gen.3 Expansion backplane PCIe 3.0 Switch

All products are shipped with the latest software available, unless stated otherwise.

Special requirements may be organised by contacting our Sales team.