



V Rose Microsystems, Inc.

www.vrosemicrosystems.com

VRM-XS-AMC3

Product Data Sheet

Overview:

The **VRM-XS-AMC3** is an Advanced Mezzanine Card (AMC) which offers 10/100/1000 Ethernet connectivity in ATCA and uTCA systems. XS-AMC3 provides a 7 port non-blocking Gigabit Ethernet switch with flexible I/Os. XS-AMC3 natively supports 1000BASE-X and 100BASE-FX but also supports 10BASE-T, 100BASE-TX and 1000BASE-T via triple speed copper SFPs. The AMC firmware automatically reads the SFP signature and configures the associated PHY accordingly. Compliant with PICMG Advanced Mezzanine Card AMC.0 and AMC.2, XS-AMC3 can be used on AdvancedTCA™, MicroTCA and proprietary platforms.



Features:

- 4x Gigabit Ethernet
- 1000BASE-X
- 100BASE-FX
- 10BASE-T
- 100BASE-TX
- 1000BASE-T
- PICMG AMC.0 Rev 2 & AMC.2
- SFP Optical Transceivers

Gigabit Ethernet Switch

- 7 Gigabit Ethernet ports
- 4 Front ports (front panel)
- 3 Rear ports (AMC.2)

Ethernet PHYs

- 1000BASE-X
- 100BASE-FX
- SGMII (For SGMII SFPs)
- IEEE 802.3u Auto-Negotiation
- Automatic mode configuration via SFP signature detection

SFPs

- 1000BASE-LX
- 1000BASE-SX
- 100BASE-FX
- Triple Speed Copper (10/100/1000)

AMC

- PICMG AMC.0 Rev 2.0
- IPICMG AMC.2
- Single Width
- Mid-Size

IPMI Controller

- PICMG 3.0 R 2.0
- IPMI Revision 1.5
- PICMG HPM.1

Power Supply

- 12 V input
- 12W Maximum consumption

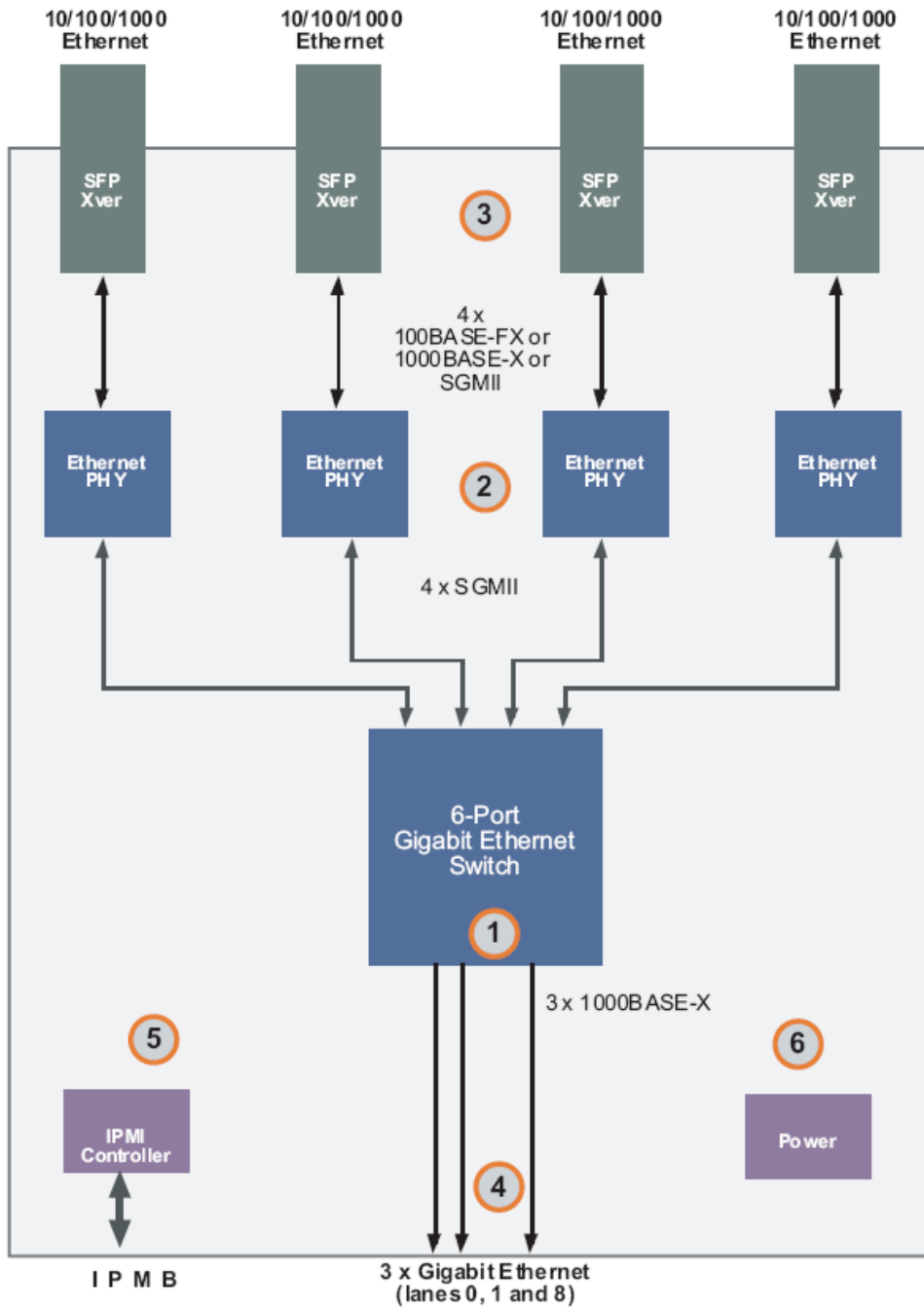


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Ordering:

VRM-XS-AMC3: Quad-Port Gigabit Ethernet Switch AMC

VRM-XS-TP007: Gigabit Ethernet single mode SFP transceivers

VRM-XS-TP009: Triple speed Ethernet copper SFP transceivers