



SILK SYSTEMS™

We don't sell. We offer. Solutions as smooth as silk.

FOR MORE INFORMATION

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With Silk Systems you will get

A simple and direct approach to develop an efficient engineering solution for whatever the client needs

Our client centric approach means that we put our client's needs first to make sure the project goes as smoothly as possible. Acting as one, single-mindedly focused on delivering S.I.L.K. to the business of our customers

S – Strategy

I – Innovation

L – Longevity

K - Knowledgeability

Easy to read the quotes. Services as needed, including the ability to add extra services should the need arise.

Our engineers work side by side with clients through direct contact, to ensure the project and entire process runs as smooth as silk.

3U VPX Removable Storage plus PCIe3 Gen 3.0 Embedded/Military Garnet Series

Product Highlights

This Garnet Series' 3U VPX Removable Storage is designed in compliance with ANSI/VITA 46 standards these systems are ideal for embedded computing with applications using a wide range VME bus for high speed storage and data acquisition.

Our VPX memory modules fit 3U and 6U form factor and come in both air-cooled or conduction cooled systems. Connection protocols include SATA3, PCIe3 and RapidIO.



Product Specifications

Model Name	Garnet Series Removable Storage		
Form Factor	3U VPX 5HP		
Protocol	PCIe3		
Solution	LSI	Marvell	
Capacity	SLC	4TB (Maximum)	
	MLC	8TB (Maximum)	
Removable Storage	SATA 3		
Performance	Sequential	Read	Up to 3.2 GB/s (max)
		Write	Up to 3.0 GB/s (max)
	Random	4KB Read	Up to 80K IOPS
		4KB Write	Up to 80K IOPS
Operating Temperature	0°C to 70°C	-40°C to +85°C	
Air Flow	Conduction Cooled (Optional)	Air Cooled	
Power Features	Power Supply	12V (±5%, 2.5A); 5V (±5%, 10A)	
	Power Consumption	≤55W (Maximum)	
Physical Features	Dimension	160mm x 100mm x 25mm	
	Weight	≤ 900 g	
Data Security	AES 256-bit Encryption		
	Supports ATA Command Data Erasure		
	Supports one-key data erasure (GPIO external pin)		
Standard Compliance/ Support	MIL-STD 810G, VITA 46.0, VITA 46.4		
Warranty	1 Year		

PRELIMINARY

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