



Pegasus5 R12 Series



Compact, Large Capacity and High-Performance

Pegasus5 R12, the new storage platform for digital media creators. In addition to HD/4K/8K video editing, the R12 is perfect for audio, digital art, photography storage and touch up, or wherever your imagination takes you. 80Gbps Thunderbolt™ 5 performance delivers 6,000 MB/s.

The innovative new compact 12-bay design of the Pegasus5 R12 enables easy access to the HDD for rapid disk replacement. Pegasus5 R12 runs whisper quiet on the desktop and is designed for easy portability.

Pegasus5 R12 provides up to 288TB utilizing the PromiseRAID hardware RAID engine. PromiseRAID is a core technology for the PROMISE Pegasus line, renowned for storage performance and data safety. A consequence of very large capacity HDD is an increased risk of failure. Predictive Data Migration (PDM), exclusive to PromiseRAID systems, performs periodic storage media analysis to anticipate potential drive problems and if configured with a spare can automatically take corrective action before any drive failure occurs.

Highlights

| Thunderbolt™ 5 technology

Thunderbolt™ 5 technology for high bandwidth 80 Gbps, with data rate up to 6000 MB/s.

| 12 + 4 Bay Desktop Design(Pegasus5 R12 Pro)

New 12 bay SATA HDD + 4 bay M.2 NVMe SSD Hybrid design, elegant and compact design provides the highest capacity density and high-performance experience.

Equipped with twelve 24TB HDD, Pegasus5 R12 series provides up to 288TB capacity.

| 4K/6K/8K Editing

Optimized Thunderbolt™ 5 ecosystem for highest resolution editing environment with 4K, 6K, 8K monitors.

| PromiseRAID

All Pegasus devices including the Pegasus5 R12 series feature the PromiseRAID engine as a core technical advantage over competing systems.

| Smart Power Management Architecture

Pegasus5 R12 series inherits the excellent power management features of PROMISE storage systems. If the host computer enters sleep mode, is shut down, or if the Thunderbolt™ connection is disconnected, the Pegasus5 R12 series enters reduced power state.

Technical Specifications

Model	Pegasus5 R12	Pegasus5 R12 Pro
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General Information

Form Factor	12-Bay Tower	12 + 4-Bay Hybrid Tower
Drive Support	12 x 3.5" SATA HDD	12 x 3.5" SATA HDD + 4 x M.2 2280 NVMe SSD
MAX Capacity	HDD: 48TB (4TB x 12) up to 288TB (24TB x 12)	HDD: 48TB (4TB x 12) up to 288TB (24TB x12) + 4 x NVMe SSD slots, each supporting 1TB up to 8TB
Interface type	Thunderbolt™ 5 80 Gbps or USB4 v1/v2 (with PCIe tunneling support)	
Thunderbolt™ Port	Thunderbolt™ 5 ports x 3 (one for host connection, two for downstream daisy chain)	
External Monitor	Downstream Thunderbolt™ 5 port can connect up to three 4K / dual 6K or single 8K monitor	
Power Delivery	85W (Thunderbolt™ host and USB4 host)	
Port Type	USB Type C	

RAID & Features

RAID Flexibility	RAID 0/1/5/6/10/50/60 (HDD only)	HDD: RAID 0/1/5/6/10/50/60 NVMe: Windows OS: RAID 0/1/5; macOS: RAID 0/1
Performance Use	Up to 3,000 MB/s	Up to 6,000 MB/s NVMe performance for mixed workloads.
Hot Spare*	Yes	
Max LUN	128	
Hot Swap*	Yes	

Software Highlights

Supported OS	Windows 11 / macOS 15 and above
Management Tool	WebPAM 5.0, CLI
Product Specific features	Intelligent Cooling, Drive SMART Health Polling
Additional Features	Promise Plugin for Adobe® Premiere® Pro, Adobe® Photoshop®

Physical Information

Dimension (H x W x D, mm)	318 x 227 x 227
Weight	16.0Kg
Power Supply	AC 100-240V auto-ranging, 50-60Hz, 500W

Environment

Temperature Range	Operating: 5° ~ 35° C , Non-operating: -40° ~ 60° C
Humidity	Operating: 10% ~ 95% non-condensing , Storage: 5% ~ 95% non-condensing
Standard	EMC: FCC, CE , Safety: cTUVus, CB
Regulatory & Environmental Compliance	ErP/EuP, RoHS, WEEE

Warranty and Support

Warranty	3-year manufacturer's commercial warranty. Statutory consumer rights apply independently and are not affected.
Support	24/7 PROMISE eSupport Portal (support.promise.com), optional 24/7 phone and email support available.
Requirements	Workstation or laptop with Thunderbolt™ 5 port or USB 3.2 port

* Only for 3.5" SATA HDD

The NVMe SSD included in Pegasus5 R12 is consumer-grade storage and covered by a limited warranty. Warranty is valid for 3 years or until the SSD reaches its rated endurance (TBW), whichever occurs first. SSD wear-out, data loss, or failure caused by intensive write workloads is not covered.

Contact us



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