



Pegasus R12



Elegant high-performance Big capacity in a compact system

Pegasus R12, the new storage platform of all 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.

Featuring 40Gbps Thunderbolt™ 4 and NVMe cache performance delivers up to 3,000MB/s. The innovative new compact 12-bay design of the Pegasus R12 enables easy access to the HDD for rapid disk replacement. Pegasus R12 runs whisper quiet on the desktop and is designed for easy portability.

Pegasus R12 provides up to 240TB utilizing 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 automatically takes corrective action before any drive failure occurs.

Highlights

| Thunderbolt™ 4 technology

Up to 3,000MB/s Thunderbolt™ 4 performance is a must-have for time pressured digital creators.

| High Performance NVMe SSD Cache

Unparalleled performance boost of dual on-board NVMe SSD caching.

| 12-Bay Desktop Design

New 12 bay, elegant and compact design provides the highest capacity density, equivalent to 8 bay enclosure size in the market.

| Up to 240TB capacity

Equipped with twelve 20TB HDD, new Pegasus R12 provides up to 240TB capacity.

| PromiseRAID

Proprietary technology renowned for performance and data safety.

| Green technology inside

Pegasus R12 inherits the excellent power management features of PROMISE storage systems. Features include automatic Wake up/Sleep in coordination with the host computer, and low noise level of intelligent fan control.

Technical Specifications

Model Pegasus R12

General Information

Form Factor	12-Bay Tower
Drive Support	3.5" SATA 6Gbps
Processor	Storage Processor 4 cores, 2.2 GHz
Memory	8GB DDR4 ECC DIMM
Cache	NVMe M.2 SSD x2(Optional)
Interface type	Thunderbolt™4 40Gbps / USB4 40Gbps / Thunderbolt™3 40Gbps
Thunderbolt™ Port	Thunderbolt™4 ports x3 (Upstream x1, Downstream x2)
External Monitor	One downstream Thunderbolt™4 port can connect up to dual 4K monitors or single 8K monitor
Power Delivery	85W (Thunderbolt™ host and USB4 host)
Port Type	USB-C Type C

RAID & Features

RAID Level	0, 1, 5, 6, 10, 50, 60, JBOD
Hot Spare	Yes
Max LUN	128
Hot Swap	Yes

Software Highlights

Supported OS	Mac OS 13 and above, Windows 10 or later
Management Tool	PROMISE Utility Pro
Product Specific features	Intelligent Cooling, Drive SMART health Polling, NVMe Cache Management

Physical Information

Dimension (H x W x D, mm)	318 x 227 x 227
Weight	15.5Kg
Power Supply	AC 100~240V auto-ranging, 50~60Hz, 350W

Environment

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

Warranty and Support

Warranty	3-years standard warranty, optional extended warranty, and on-site parts replacement program (PROMISE ServicePlus) available.
Support	24/7 PROMISE eSupport Portal (support.promise.com), optional 24/7 phone and email support available.

Contact us

