iodyne PRO DATA

Technical Specifications

Capacity 12 TB, 24TB, or 48 TB, expandable up to 1.7PB[1]

Expansion Up to six devices can be daisy-chained per Thunderbolt port pair. Multiple daisy-chains can be connected to computers with more than one Thunderbolt host port.

Performance Up to 5.2 GB/s Read, 2.4 GB/s Write bandwidth

Connectivity 8 ×40 Gbps Thunderbolt 3 ports: four upstream to one or more computers, and four downstream to other devices and accessories

Cables 0.7m 40 Gbps included. 2m or 50m 40GBps available

OS Support macOS 13.0+ (Ventura, Sonoma, Sequoia)
Windows: 10 version 21H2, 11 version 22H2+
Linux: Ubuntu 22.04+ (running kernel 6.8-generic or later)

Power 180W GaN power adapter, 110-220V 50-60Hx

Dimensions 15.39” × 10” × 1.4”, 7.3 lb
39.1cm × 25.4cm × 3.55cm, 3.3kg
Interlocking vertical stand included

Features
Transactional RAID-6 and RAID-0
Data checksums and self-healing
XTS-AES-256 encryption with hardware secure enclave
NVMe Thunderbolt multipathing up to four paths
Multi-user connectivity for up to four computers
Storage Handoff between connected macOS computers
Multi-Reader Sharing
Dynamic containers, up to15 per device
RAID Levels per-container with adaptive striping and parity
Automatic SSD fault management and RAID resilvering
Designed for easy self-repair of SSD modules

1. Data quantities refer to International System of Units (SI) decimal prefixes: 1MB = 10**6** bytes, 1GB = 10**9** bytes, and 1TB = 10**12** bytes, and one byte is a data element that is eight bits in size as defined in ISQ/IEC 80000.

2. Additional capacity used for error correcting codes, metadata, and defect redundancies not included. Metadata, metadata RAID parity, and OS-specific formatting such as partition tables and boot partitions may reduce capacity.

Protocols NVM Express, Thunderbolt

Warranty One year standard. Extended to three years at no charge upon registering your device with an iodyne Cloud account. Free replacement SSD modules while device is in Warranty.

Total Bytes Written

12T	6,000 TB TBW	**96T**	32,000 TB TBW
24T	8,000 TB TBW	**192T**	64,000 TB TBW
48T	16,000 TB TBW		

Max. Available Capacity

	RAID-0	RAID-6		RAID-0	RAID-6
12T	12 TB	10 TB	**96T**	96 TB	80 TB
24T	24 TB	20 TB	**192T**	192 TB	160 TB
48T	48 TB	40 TB			

Safety Standards
IEC 62368-1:2014
EN 62368-1:2014 + A11:2017 (US), A11:2018 (Canada), A11:2019 (EU), A11:2020 (Australia & New Zealand), and A11:2021 (Japan)

BIS Registration (India): R-41285684
13252(PART 1):2010/IEC 60950-1:2005

BIS Export Compliant ECCN 5A992 (US)

Environmental Standards
RoHS compliant
REACH compliant
100% recycled pulp packaging

EMC Standards
US: FCC 47 CFR Part 15 Subpart B

Canada: ICES-003 Issue 6:2016

European Union:
EN 55032:2015 + AC:2016
EN 55035:2017
EN 61000-3-2:2014
EN 61000-3-3:2013

Australia & New Zealand: AS/NZS CISPR 32:2015

Japan: VCCI-CISPR 32:2016