

AiRE IntelligentFiler

3100 series



Overview

The **IntelligentFiler** is empowered with a modern and features-rich exclusive software stack that unifies the extreme power of CORE, an enhanced storage-optimised pure UNIX operating system that leverages a next-generation file system for data services, **AiRE** a state-of-the-art Operating Environment with integrated A.I. capabilities and **CloudSight** a cloud-based deep analytics and management tool.

Features

OPTIMISED FOR A WIDE RANGE OF WORKLOADS

The adaptive block size will perfectly match your application on-disk behaviours, even if it has to change during time. Automatically.

FLASH FIRST HYBRID DESIGN

Maximize both price-performance and price-capacity.

SAAS DELIVERY MODEL

Keep simply synced with the latest innovations and improvements.

CLOUD-BASED ANALYTICS AND MANAGEMENT

Take the next step to data management and administration.

TRUE CONCURRENT MULTIPROTOCOL SUPPORT

Consolidate both SAN and NAS in a dual-active controller architecture.



3100 series

Model 3128

The 3128 is engineered to deliver the highest space capacity with integrated always-on data protection in a reduced space to consolidate and optimise both the rack unit and the energy consumption. Its primary use case covers the high-throughput scenarios such as archiving and backup or multimedia streaming.

Specifications

SPU FORM FACTOR	RACK 4U / single controller
DES FORM FACTOR	-
RAW CAPACITY	240 TB
SUPPORTED DRIVES TYPE	7.2k RPM LFF SAS HDDs / eMLC SFF SAS SSDs
L1 GENERAL CACHE	256 GB
L2 WRITE CACHE	200 GB
L2 READ CACHE	800 GB
NETWORK CONNECTIVITY	1x IPMI iKVM + 4x 1GbE + 2x 10GbE-SFP
PROCESSOR	2x Intel® Xeon E5-2620v4
POWER SUPPLY	Redundant platinum
SOFTWARE	STORVIX AiRE software bundle full license

SUPPORTED STORAGE POOL SOFTWARE RAID PROFILES								
F3128	DATA			HDD	L2WC	L2RC	US ⁵	ES ⁶
	A	RZ2	3x RAID GROUPS IN RZ2 10-WIDE PROFILE PLUS 2x GLOBAL HOT SPARE	8 TB	1x 200 GB	1x 800 GB	150 TiB	300 TiB
	B	RZ3	3x RAID GROUPS IN RZ3 11-WIDE PROFILE PLUS 1x GLOBAL HOT SPARE	8 TB	1x 200 GB	1x 800 GB	165 TiB	330 TiB

⁵Usable space is computed using a base 10 math and considers a 128K record size.

⁶The effective space considers a data reduction ratio of 3:1 and could vary within the data type and metadata overhead.