

SYNECTICS

Synergy Server

Enterprise-class reliability for your security operations

With virtualisation built in, and a powerful 8-core CPU, more Synergy functions can be powered by the Synergy Server platform than ever before. Exceptional reliability and resiliency protect your system uptime.



Why Choose the Synergy Server?

Resiliency

Enterprise-grade with RAID 1 protection features for OS and data storage, and dual power supplies as standard to enhance system uptime.

Simplified Installation

Where licensed, hardware is preinstalled with software and includes an easy-to-understand setup process, reducing installation time.

Health Monitoring

Automatic alerts of any hardware events that require action, ensuring optimal system resilience and uptime is maintained.

Short Depth

With a depth of only 648mm, the hardware is well suited for environments with limited rack space.

Key Features

- 3.6TB of RAID 1 protected storage using 2x 4TB enterprise HDDs
- Dual 480GB Host OS SSDs with RAID 1 protection
- Dual 10Gbps Ethernet, with optional fibre connectivity
- Dual hot swappable 80 Plus Platinum power supplies
- Supports a range of concurrent, virtualised Synergy functions. For example, a Synergy Server and Incident Locker can be hosted on a single server

Specifications

GENERAL

Dimensions (W x H x D)	2U rack mountable server 437 mm x 89 mm x 648 mm (11.4" x 3.5" x 25.5")
Weight	Maximum 27.2 kg
Operating Temperature	10-35°C (50°F ~ 95°F)
Operating Humidity	8% to 90% (non-condensing)
Certifications and Approvals	CE, FCC, UKCA
Security	Lockable front bezel included
Operating System	Windows Server IoT 2022 for Storage
CPU	AMD Epyc 8 Core CPU
RAM	32GB ECC (error-correcting code) RAM
Host OS Storage	2x 480GB M.2 SSDs with RAID 1 protection
VM and Data Storage	Up to 3.6TB of RAID 1 protected usable storage (max 2x 4TB HDDs)
Minimum Synergy Version	22.1.100

POWER

Hot Swap PSUs	2x redundant 920W PSU modules
PSU Efficiency	80 Plus Platinum
Typical Power Consumption (Based on Maximum Configuration)	230W (785 BTUs)

CONNECTIVITY

Networking (Standard)	2x 1Gbps RJ45 (unused) 2x 10Gbps RJ45 (10G-BASE-T) via included network adapter
Networking (Optional Alternatives)	2x 10Gbps SFP+ 4x 10Gbps RJ45 4x 1Gbps RJ45
Out-Of-Band (OOB) Networking (Dedicated Management and Health Toolset)	1x RJ45
USB	4x USB 3.0 Type-A
Serial	1x RS232 port (unused)
Video	1 x VGA

PRODUCT FUNCTIONALITY

System Health Monitoring	Configured as standard with Synergy alerts
Out-Of-Band Management with IP-KVM	Yes
SNMP Alarm Support	Yes
Performance Optimised 4K Sector Size for HDDs	Yes
Tool-less HDD Replacement	Yes

*Configuration may impact maximum inbound/outbound data throughput and maximum recorded video channels.

PART CODES

SY-SERVER-V5-3.6TB-R1

Synergy Server V5 2U 3.6TB RAID 1

SPARE PART CODES

SY-CRU-M2SSD-S1

480GB M.2 OS SSD for Synergy PSN/Locker V5

SY-CRU-BEZEL-S1

Front Bezel for Synergy PSN/Locker V5

SY-CRU-RAID-S1

HDD RAID Controller for Synergy PSN/Locker V5

SY-CRU-RACK-S1

Rack Mount Kit for Synergy PSN/Locker V5

SY-CRU-FAN-S1

Hotswap Internal Fan for Synergy PSN/Locker V5

SY-CRU-PSU-S1

920W PSU Module for Synergy PSN/Locker V5

SY-HDD-SAS-4KN-4TB

4TB Enterprise SAS HDD (4K Sector Size)