

# SYNECTICS

## Synergy Server Pro

### Enterprise-class reliability for your security operations.

Built-in virtualisation allows Synergy Server Pro to run multiple Synergy services on a single physical server.

By intelligently allocating processing power and resources where they are needed, it maximises performance and reduces the need for additional hardware. Exceptional reliability and resilience help protect system uptime, while optional hardware failover provides added peace of mind and supports future expansion.



### Why Choose the Synergy Server Pro?

#### Performance

16-core CPU provides futureproof performance, with more concurrent Synergy functions available than ever before, as well as Synergy Web compatibility.

#### Resiliency

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

#### Health Monitoring

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

#### Simplified Installation

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

#### Storage Dense

Up to 21.6TB of storage is available per server – ideal for incorporating an incident locker.

#### Minimised Footprint

Fewer servers are required, reducing the system footprint as well as the total cost of ownership (energy and cooling costs).

### Key Features

- **Dual 960GB Host OS SSDs with RAID 1 protection**
- **Dual 10Gbps ethernet, with optional fibre connectivity**
- **Dual hot swappable 80 Plus Titanium power supplies**
- **Supports a range of concurrent, virtualised Synergy functions. For example, a Synergy Server, Incident Locker, and Synergy Web can be hosted on a single server**

# Specifications

## GENERAL

Dimensions (W x H x D)	437mm (17.2") x 43mm (1.7") x 650mm (25.6")
Weight	Max 15.46 kg
Operating Temperature	10-35°C (50°F-95°F)
Operating Humidity	8% to 80% (non-condensing)
Certifications and Approvals	CE, FCC, UKCA
Security	Lockable front bezel for HDDs (where installed)
Operating System	Windows Server 2025
CPU	AMD Epyc 16-core CPU
RAM	64GB (2x 32GB DDR5)
SSD OS Storage	2x 960GB M.2 NVMe - RAID 1 (for host OS and Synergy VMs)
HDD Data Storage	Optional fit, up to 2x 24TB SAS HDD – RAID 1 (for Incident Locker video storage)
Minimum Synergy Version	23.1.100

## POWER

Hot Swap PSUs	2x redundant 860W modules (115V/230V)
PSU Efficiency	80 Plus Titanium
Typical Power Consumption (Based on Maximum Configuration)	180W (614 BTUs per hour)

## CONNECTIVITY

Networking (Standard)	2x 10Gbps RJ45 (onboard)
Networking (Optional Alternatives)	Dual SFP+ or additional 2x 10Gbps RJ45 via PCIe adapter
Out-Of-Band (OOB) Networking (Dedicated Management and Health Toolset)	1x RJ45
USB	Rear: 4x USB 3.0 Type-A
Video	1 x VGA
Other	1x Serial (unused)

## PRODUCT FUNCTIONALITY

System Health Monitoring	Configured as standard with Synergy alerts
Out-Of-Band Management with IP-KVM	Yes
SNMP Alarm Support	Yes
Supported Synergy Software Types (deployed as virtual machines)	Synergy Server, Synergy Incident Locker, Synergy POS Server, Synergy Slots Server, Synergy DVNP Server, Synergy Web

**PART CODES**

SVR-1051	Synergy Server Pro V5.1 (2x 960GB SSD RAID 1)
SVR-1051-7.2TB-R1	Synergy Server Pro V5.1 (2x 8TB HDD RAID 1)
SVR-1051-18TB-R1	Synergy Server Pro V5.1 (2x 20TB HDD RAID 1)
SVR-1051-21.6TB-R1	Synergy Server Pro V5.1 (2x 24TB HDD RAID 1)

**SPARE PART CODES**

SY-CRU-RACK-S3	Rack Mount Kit
SY-CRU-RACK-S4	Short Rack Mount Kit
SY-CRU-PSU-S3	800W PSU Module
SY-CRU-RAM-S3	32GB DDR5 RAM Module
SY-CRU-RAID1U-S1	HDD RAID Controller
SY-CRU-M2SSD-S3	960GB M.2 SSD
SY-NIC-10G-DUALSFP-AOCSTGNI2S	Dual 10Gbps SFP+ Network Adapter
SY-NIC-10G-DUALETH-S1	Dual 10Gbps RJ45 Network Adapter
SY-HDD-SAS-8TB	8TB Enterprise SAS HDD
SY-HDD-SAS-20TB	20TB Enterprise SAS HDD
SY-HDD-SAS-24TB	24TB Enterprise SAS HDD