

# SYNECTICS

## Synergy Server Max

### Future-proof flexibility with enterprise-grade reliability.

Built-in virtualisation allows Synergy Server Max 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 Max?

#### 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**
- **Quad 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, Incident Locker, and Synergy Web can be hosted on a single server**

# Specifications

## GENERAL

Dimensions (W x H x D)	440 mm (17.3") x 43 mm (1.7") x 773 mm (30.4")
Weight	Maximum 20.2 kg
Operating Temperature	ASHRAE A2 (10-35°C if altitude is 900m or below)
Operating Humidity	ASHRAE A2: 8% to 80%; maximum dew point: 21°C (70°F)
Certifications and Approvals	CE, FCC, UKCA, KC, BIS, CCC
Security	Lockable front bezel for HDDs (where installed)
Operating System	Windows Server 2025
CPU	AMD Epyc 5th Gen 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 1100W modules (115V/230V)
PSU Efficiency	80 Plus Platinum
Typical Power Consumption (Based on Maximum Configuration)	180W (614 BTUs per hour)

## CONNECTIVITY

Networking (Standard)	4x 10Gbps RJ45 (10G-BASE-T) via included network adapter
Networking (Optional Alternatives)	2x 25Gbps SFP+
Out-Of-Band (OOB) Networking (Dedicated Management and Health Toolset)	1x RJ45
USB	Front: 1x USB 3.2 Gen 1 Type-A, 1x USB 2.0 Type-A Rear: 3x USB 3.2 Gen 1 Type-A
Video	Rear: VGA
Other	Front: Diagnostics Port

## PRODUCT FUNCTIONALITY

System Health Monitoring	Configured as standard with Synergy alerts
Out-Of-Band Management with IP-KVM	Yes
SNMP Alarm Support	Yes
Tool-less HDD Replacement	Yes
Tool-less Hardware Servicing	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-2011	Synergy Server Max V1.1 (2x 960GB SSD RAID 1)
SVR-2011-7.2TB-R1	Synergy Server Max V1.1 (2x 8TB HDD RAID 1)
SVR-2011-18TB-R1	Synergy Server Max V1.1 (2x 20TB HDD RAID 1)
SVR-2011-21.6TB-R1	Synergy Server Max V1.1 (2x 24TB HDD RAID 1)

**SPARE PART CODES**

SY-CRU-RACK-L1	Rack Mount Kit
SY-CRU-RACK-L2	Rack Mount Kit (for threaded hole racks)
SY-CRU-PSU-L2	1100W PSU Module (110V/230V)
SY-CRU-RAM-L2	32GB DDR5 RAM Module
SY-CRU-RAID1U-L2	HDD RAID Controller
SY-CRU-M2SSD-L2	960GB M.2 OS SSD
SY-CRU-FAN-L4	Internal Fan
SY-NIC-25G-DUALSFP-E810DA2-L	Dual 25Gbps SFP+ Network Adapter
SY-HDD-SAS-8TB-L	8TB Enterprise SAS HDD
SY-HDD-SAS-20TB-L	20TB Enterprise SAS HDD
SY-HDD-SAS-24TB-L	24TB Enterprise SAS HDD