

Synergy™ Server

Engineered with enterprise class components for fail-safe reliability, Synergy Server hosts Synergy, Synectics' command and control platform.



Synectics Synergy Server provides a secure and robust platform for Synergy 3 and Synergy Pro command and control platform. An essential component of the Synectics Synergy solution, the device is equipped with auto-rebuild functionality, dual power supplies, dual on-board gigabit NICs, and real time, redundant hot swap server replication to ensure unparalleled data resilience and hardware failover protection.

Features

- Front LED indicators for drive power, activity or failure status
- 1RU and 2RU units available for maximum space saving and minimal total footprint
- On-board IPMI remote management facility enables device control from any networked location
- Dual on-board gigabit Network Interfaces (NICs) can be deployed in teamed or aggregate configuration providing system redundancy
- Windows Server 2012 R2
- Solid State operating system drive provide quick read/write access to the system database and reduce the risk of mechanical disk failure compared to hard disk drives

- Synectics' virtualized platform allows for unlimited redundancy and uptime, including hot backups and offline working systems for unparalleled working flexibility on live sites

Options

- Combining the power and resilience of the Synergy Server with the storage of a multi-drive locker; an incident locker can be integrated onto the server to provide on-board storage capability:
- 1U Synergy Server - RAID 1 Integrated Incident Locker with up to 4TB of storage
- 2U Synergy Server - RAID 6 Integrated Incident Locker with up to 37TB of storage

Specifications

IT ARCHITECTURE	
O/S	Microsoft Server 2012 R2
PORTS	
USB	2
Ethernet	2 x 1000BT NIC's Teamed
Display	1 X VGA
PS2	1 X Keyboard 1 x Mouse
APPLIANCE FUNCTIONALITY	
Lockable Front Panel.	Yes
Synectics Advanced Health Monitor	Yes
Quick Lock Rack Kit	Yes
Advanced Out-Of-Band Remote Management Service including IP-KVM	Yes
SNMP Alarms	Yes
Synergy Advanced Alarms	Yes
POWER	
Hot Swap PSU	Yes (2 x in each model)
Power Consumption	1u Synergy Server – Max 250w, Normal 110w 2u Synergy Server – Max 500w, Normal 260w
BTU's	1u Synergy Server – Max 854 per Hour 2u Synergy Server – Max 1707 per Hour

NETWORK OPTIONS	1 Link	2 Links (Data Connections)	2 Links (Dedicated Management Port)	3 Links
1 x 10/100/1000BT	Y	N	Y	N
2 x 10/100/1000BT	N	Y	N	Y
Out of band management connection	Y	Y	Y	Y
Dedicated Management Connection	N	N	Y	Y
Adapter Fault Tolerant	N	Y	N	Y
Switch Fault Tolerant	N	Y	N	Y
Adaptive Load Balancing	N	Y	N	Y
Static Link Aggregation	N	Y	N	Y
Dynamic Link aggregation	N	Y	N	Y

GENERAL	
Size	1u H 45mm x W 430mm x D 700mm 2u H 90mm x W 430mm x D 700mm 1u H 45mm x W 17" x D 27.5" 2u H 90mm x W 17" x D 27.5"
Weight	1u 6Kgs / 13lbs 2u 18Kgs / 40lbs
Operating Temperature	18-21 Degrees Recommended, Max 26 Degrees
Storage Temperature	-20 C to 80 C
Humidity	5% to 90% non-condensing, 40% recommended
Certifications and Approvals	RoHS compliant EMI/EMC Certification