



HPE SimpliVity and APC Reference Design for Edge

Purpose-built and pre-validated solution for HPE SimpliVity

- Joint offer solves challenges with edge infrastructure
- Delivers the stability, support and simplicity needed to modernize for IoT
- Offers customers a secure, comprehensive and fully certified infrastructure

Managed by VMware® vCenter™ and combining virtual machines, storage and local backup all-in-one, each HPE SimpliVity hyperconverged node contains:

- Dual Intel Xeon E5-2667 v4 8 Core processors
- 384 GB memory
- 6.2 TB of usable all-flash (SSD) capacity in high availability (except single node deployments)
- Industry-leading deduplication and compression, backed by HPE's [HyperGuarantee](#), promising a minimum of 10:1 efficiency
- HPE's best-in-class support

Edge Solution Details

HPE SimpliVity	1	Q8D81A 380 Gen10 Node
HPE Switch	1	Aruba 3810M with Stacking Module
6U Rack	1	AR106V
Smart-UPS	1	APC Smart-UPS X 1500VA Rack/Tower LCD 120V with Network Card
rPDU	1	Rack PDU, Switched, 1U, 15A, 100/120V, (8)5-15 (only if switched outlets are needed)
NetBotz 750	1	NetBotz Rack Monitor 750
NBES0303	1	NetBotz Door Switch Sensors (2) for an APC Rack - 12 ft.
NBPD0165	1	NetBotz Camera Pod 165

Options

SFTWES5-DIGI	EcoStruxure IT Expert 5 Node
Gateway	INNUC0119

* Part numbers will differ according to country requirements

Configurable via Local Edge Configurator on Design Portal: designportal.apc.com



Complete Products

APC by Schneider Electric provides a complete data center physical infrastructure and management software in a single self-contained and secure enclosure for converged and hyperconverged architectures, allowing organizations to simply and efficiently deliver a complete and highly energy-efficient IT solution that is pre-tested, optimized, and able to be rapidly deployed.

INNOVATION

EcoStruxure Micro Data Centers



Features and Benefits

- Unique low-profile design** – Extends less than 13" (330 mm) off of the wall while supporting equipment up to 30" (762 mm) deep, including 1 and 2U hyperconverged servers, UPS, and network switches
- Enhanced physical security** – protect against physical and environmental threats with camera monitoring, keylock doors, intrusion detection, temperature/humidity monitoring, leak detection, and more (Not the keycard handle!)
- High weight load capacity** – Supports equipment up to 250lbs (113kg) of total load
- Integrator Ready** – Shock Packaging allows all equipment to be pre-integrated into the enclosure before it arrives on-site, speeding up and standardizing deployments
- Air filtration and ventilation** – Replaceable MERV 5/G3 dust filter and integrated fans allow equipment to be placed in dusty and light industrial environments
- Remote monitoring** – EcoStruxure IT cloud-based platform provides a centralized, real-time monitoring solution for distributed deployments
- Wall mount or floor standing** – The detachable wall bracket and optional casters allow the enclosure to be mounted on the wall or floor, depending on the site requirements
- Non-Rack Mounted Equipment** – Universal bracket on top of the unit allows non-rack mounted equipment like gateways and IoT devices to be secured on the enclosure
- Shareable Rack U Space** – 4 post design allows some equipment to be mounted on front and back rack U space
- Easy Installation on Wall** – A detachable wall bracket makes installation very easy, similar to mounting a flat screen TV