

Application Processing Unit (APU)

Discover more than just a server. PlantStar's APUs are industrial-grade powerhouses that are designed to run your database and take care of the heavy lifting required for leveraging big data. The Application Processing Unit runs the PlantStar application server and contains all the configuration, data, files, and the master database. Available in both high-performance server grade tower and rack mount configurations, and also available for VM deployments, the PlantStar APU fits your IT requirements. And, like all PlantStar hardware, it's covered with Advance Replacement warranty service (physical servers only) as long as your PlantStar Software License and Maintenance Contract remains in place.



KEY FUNCTIONS

- High performance, high-capacity database, and application server
- Built-in redundancy and capability
- Lifetime Advance Replacement Warranty (physical servers)
- Debian 11 Linux operating system
- 24/7 support for critical failures

VIRTUAL APU SPECIFICATIONS

- 12+ vCPU
- 32 GB RAM
- 1TB storage space
- 2x 1GB/s network connections

Network Requirements

- VPN for 24/7 Support
- Offsite backup locations
- Dedicated subnet / VLAN
- SSH access from VPN (DCM access)

PHYSICAL APU SPECIFICATIONS

- AMD EPYC 16 core server with 2U Rack Mount Chassis
- 8 x 16GB DDR4 3200MHz ECC Memory
- Dual 1GB NIC
- IPMI Management Port
- Redundant 920W Power Supplies
- (3) 480GB SSD RAID 1 + spare for Database
- (3) 960GB SSD RAID 1 + spare for OS and Software
- (12) total drive bays
- 2 x AC Power Cord (North America), C13, NEMA 5-15P, 6 ft.
- 17.2" (437mm) x 3.5" (89mm) x 25.5" (647mm)