

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 7003 Series 1U rack mount or tower chassis
- AMD EPYC 7313P Processor 16-core 3.00GHZ 128MB Cache (155W)
- 8 x 8 GB PC4-25600 3200MHz DDR4 ECC RDIMM
- Dual 1-Gigabit Ethernet
- Dual 650K (rack) or 800W (tower) redundant power supplies
- 256GB Kioxia Xg6 M.2 PCIe 3.1 x 4 NVMe Solid State Drive
- 3x 1.92TB Micron 5300 MAX Series 2.5" SATA 6.0GB/s Solid State Drive
- 2x AC power cord (North America) C13, NEMA 5-15P 2.1m CAB-AC
- Standard Rail Kit for 1U/2U serves (rack version)
- Dimensions: 17.2" x 1.7" x 27.9" (rack) or 24.4" x 8.66" x 16.73" (tower)