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 rack mount configurations, and 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

- CPU: 16 vCPU
- RAM: 64Gb RAM (not ballooned)
- 1TB of dedicated SSD/NVMe storage

  VM system specs to be reviewed and approved by SYSCON PlantStar before installation.

Network Requirements

- VPN for 24/7 Support
- Offsite backup locations
- Dedicated subnet / VLAN

PHYSICAL APU SPECIFICATIONS

- PlantStar 1U rack mount or tower chassis
- 5th Gen Epyc 9004 series 16 core/32 thread CPU
- 128GB DDR5 RAM
- Dual 1-Gigabit Ethernet
- Redundant power supplies with dual power cords
- 3x 3.2TB NVMe data drives (RAID 1+ 1 hot spare)
- IPMI remote management, standard rail kit
- Preconfigured with Debian Linux OS & PlantStar System Software
- Standard Rail Kit for 1U/2U serves (rack version)
- Dimensions: 17.2" x 1.7" x 23.5"