

SyncServer® S600 Enterprise NTP/PTP Time Server

Learn About Our SyncServer® S600 Time Server

Modern networks require accurate, secure and reliable time services. The security-hardened SyncServer S600 network time server delivers exact hardware-based Network Time Protocol (NTP) and Precise Time Protocol (PTP) timestamps. In addition to its unparalleled accuracy and security, the S600 offers outstanding and easy-to-use features for reliable network time services to meet the needs of networks and business operations today and into the future.



Key Features

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| <ul style="list-style-type: none">• Ultra-high-bandwidth NTP time server | <ul style="list-style-type: none">• Security-hardened NTP Reflector with firewall protection |
| <ul style="list-style-type: none">• Stratum 1 operation | <ul style="list-style-type: none">• Web-based management with high-security cipher suite |
| <ul style="list-style-type: none">• Four standard GbE ports, all with patented NTP hardware timestamping | <ul style="list-style-type: none">• NTP monitoring, charting and MRU logging |
| <ul style="list-style-type: none">• Two additional 10 GbE ports (optional) | <ul style="list-style-type: none">• < 15 nanoseconds RMS time accuracy to UTC |
| <ul style="list-style-type: none">• Built-in DoS detection and protection | <ul style="list-style-type: none">• TACACS+, RADIUS, LDAP, x.509, Secure Syslog and more |
| <ul style="list-style-type: none">• Rubidium atomic clock or OCXO oscillator upgrades | <ul style="list-style-type: none">• Dual power supply option |
| <ul style="list-style-type: none">• Galileo/GLONASS/BeiDou/SBAS/QZSS option | <ul style="list-style-type: none">• IEEE® 1588 PTP multi-port/profile output option |
| <ul style="list-style-type: none">• IEEE 1588 PTP input option | <ul style="list-style-type: none">• DISA/DoDIN approved product |

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Security Hardening

Some applications require security enhancements above and beyond what might otherwise be acceptable. In addition to supporting the standard network security protocols, the SyncServer S600 time server can be configured to provide additional timing, operational and authentication security to create the most hardened NTP/PTP server. This makes the S600 an excellent choice for Zero Trust networks.

