

19"/2[®] SSW501



Accurate time for demanding environments

The 19"/2[®] LANTIME SSW501 is a rugged time server designed for demanding environments based on a Meinberg platform. This platform is used around the world to provide accurate time to networks of any size. It's a very reliable and accurate time source for all systems either NTP- or SNTP-compatible and it uses a built-in ultra-stable oscillator as its primary reference time source.

The configuration of the system can be managed by using a standard web browser for accessing the extensive but straightforward html interface. Alternatively a text based and menu driven setup utility can be started from the shell prompt after logging into the unit via Telnet or SSH.

Guaranteed performance

Our products always come with a lifetime support to ensure your equipment maintains peak performance for many missions to come. We also serve units and stock spare parts for 5 years end-of-life.

Mounting

All 19"/2 units can be mounted together in several different ways

- One 19"/2 unit can be mounted in a 19" rack
- Two 19"/2 units can be mounted together in a 19" rack
- Two or more devices can also be stacked on top of each other

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Technical Specification

Description A rugged time server in the 19"/2 form factor, based on the Meinberg GPS card

GNSS GPS*

Power Input voltage 10-32 V DC

Interfaces (front)
 1x LAN RJ45 (10/100mbps)
 1x Console serial (RJ45)
 1x Console USB
 1 x DC-in 10-32V (ITS)
 1x Host USB
 1x GPS Antenna (BNC)*
 1x PPS out (BNC)
 1x PPS input (BNC)
 1x NMEA RS232

Interfaces (back) 1 x Service Port

Transient power protection Surge & burst on DC in

Case Aluminium

Dimensions 220 x 381 x 44 mm (W x D x H)

Oscillator OCXO-HQ (Morion XO00465M)

Accuracy of time (one year free running mode) +/- 788ms

Weight 3.5 kg

Certification Designed to meet IP54, MIL-STD-810 and MIL-STD-461.

Other No fans

* Need Meinberg 35MHz Antenna or Meinberg converter from L1 1,575GHz to 35MHz to use standard GPS antenna.

Designed to meet:

MIL-STD-810F	Operating	Storage
Altitude Method 500.4, (procedure II,III)	4572 m (15000 ft)	Rapid decompression 12180 m (40000 ft)
Humidity Method 507.4	Five 48 h test cycles	-
Shock Method 516.5, (procedure I, IV)	40 G, 11 ms (Terminal-peak saw tooth shock pulse)	122 cm (26 drops)*
Salt fog Method 509.4, (Procedure I)	-	Salt concentration of 5 % +-1 % (48 h wet +48 h dry/cycle)
Temperature Method 501.4 & Method 502.4, (procedure I, II)	0 °C to 55 °C (-20°C to 55°C**)	-40 °C to 70 °C
Temperature shock Method 503.4 (procedure I)	0 °C to +55 °C	-
Vibration Method 514.5		
- Category 2	-	√
- Category 14	√	-
- Category 20 a & b	√	-

* Only with optional Peli Case

** Extended temperature range

Designed to meet:

MIL-STD-461F	Limitation	Threshold
EMI radiated Method RE102	10 kHz to 18 GHz	Navy Mobile & Army
EMI radiated Method RS103	2 MHz to 1 GHz	Army
EMI conducted Method CE102	10 kHz to 10 Mhz	Basic Curve
EMI conducted Method CS101	30Hz to 150 kHz	Curve #1
EMI conducted Method CS114	10 kHz to 200 MHz	Army
EMI conducted Method CS115	Tested according to standard	Army
EMI conducted Method CS116	10 kHz to 100 MHz	Army

