



Meinberg Funkuhren

Lange Wand 9

31812 Bad Pyrmont, Germany

Phone: +49 (5281) 9309-0

Fax: +49 (5281) 9309-30

<https://www.meinbergglobal.com>

info@meinberg.de

LAN-CPU: Time Server Module (NTP) for Meinberg BGT systems

A complete solution for synchronizing large networks. The LANTIME CPU Module is an embedded Linux computer and offers numerous ways for configuration and management (via HTTP, HTTPS, Telnet, SSH, SNMP) and a flexible event messaging system, with which the administrator can be alerted immediately whenever an interesting or critical event occurs (via mail (SMTP), winpopup messages, SNMP traps, syslog entries and - optionally - a wall mount display).

Important Note

This product is no longer available. We will of course continue to provide support for units that have already been purchased and are still in use. Please contact our [1][Sales Team](#) for further details.

Key Features

- Synchronization of NTP and SNTP compatible clients
- Web-based status and configuration interface and console-based graphical configuration utility
- Supported net protocols: IPv4, IPv6, NTP, (S)NTP, DAYTIME, DHCP, HTTP, HTTPS, FTP, SFTP, SSH, SCP, SYSLOG, SNMP, TIME, TELNET
- Alert-Notification system of status change by Email, WinMail, SNMP or an external connected display
- Daily and total statistics of time synchronization and additional ntp access log statistics available
- Up to 3 additional external time sources adjustable
- Advanced security protocols for authentication (MD5, Autokey, Groupkey, HTTP certificate, SSH key), user management with multilevel access policies
- Full support for SNMP v1, v2c und v3 with dedicated SNMP daemon for configuring/status monitoring of system using SNMP traps
- Upgradable flash memory
- USB Port for installing firmware updates, locking frontpanel menu access and backup/restore of configuration and log files
- PPS, PPM and 10MHz output
- Front Panel Elements for Setup and Status Monitoring
- NTP LED display ANZ141NET or NTP Slave Clock VP100/20NET connectable via network
- 2 year warranty

Description

The Meinberg LANTIME CPU module transforms a Meinberg Radio Clock into a standalone "ready-to-run" NTP time server for TCP/IP networks, which comes with numerous possibilities for management and configuration: web interface (HTTP/HTTPS), text based setup (TELNET/SSH) and SNMP. To transfer files (e.g. Firmware-updates) to and from the device, FTP or SFTP/SCP can be used.

The IP address of the unit can be initially configured by using the front panel buttons of a GPS radio clock or by using a serial terminal connection. Alternatively, an integrated DHCP client allows assigning an IP address automatically. The LANTIME CPU module can handle more than 1500 NTP requests per second, making it the first choice for providing accurate time information to large network with thousands of clients.

When developing the newest version, the main focus was on improvement of stability and security. Not only dealing with symmetric keys, the LANTIME CPU Module NTP server is also capable of using the autokey feature of NTP v4, providing the administrator with an easy way to maintain a reliable time source for large networks.

Of course the LANTIME CPU module comes with the typical flexibility of a Meinberg product, which means a broad range of options and possible customizations, which can meet even very special requirements.

Characteristics

Network Interface	RJ-45 Network Connection 10/100 MBit
Supported Temperature	Operational: 0 - 50 °C (32 - 122 °F) Storage: -20 - 70 °C (-4 - 158 °F)
Supported Humidity	Max. 85 % (non-condensing) at 40 °C
Options	[2] IRIG A/B Time Code Generator TCG511
RoHS Status of Product	This product is fully RoHS-compliant.
WEEE Status of Product	This product is handled as a B2B (Business to Business) category product. To ensure that the product is disposed of in a WEEE-compliant fashion, it can be returned to the manufacturer. Any transportation expenses for returning this product (at end-of-life) must be covered by the end user, while Meinberg will bear the costs for the waste disposal itself.
Additional Information	Additional information about the Meinberg LANTIME family of NTP time servers and other LANTIME models can be found on the [3] LANTIME overview page .

Manual

The English manual is available as a PDF file: [4] [Download \(PDF\)](#)

Links:

- [1] <mailto:sales@meinberg.de>
- [2] <https://www.meinbergglobal.com/english/products/irig-generator-eurocard.htm>
- [3] <https://www.meinbergglobal.com/english/products/ntp-time-server.htm>
- [4] https://www.meinbergglobal.com/download/docs/manuals/english/lan_cpu.pdf