

NTP Single Board Computer - LANCPU

Chosen Product : NTP Single Board Computer - LANCPU

The module LANCPU is a complete single board computer with already installed Linux operating system and NTP software. The module was designed to be integrated in various GPS, DCF77 or IRIG systems from Meinberg and extends them to a NTP stratum 1 server. The supported network protocols and user interfaces are equally to the Meinberg LANTIME systems. ANZ14LAN or VP100/20NET can be connected via network to display time and date.



Functions

- 266MHz Single Board Computer with Linux Operating System
- NTP Server installed
- Serial Terminal Port and RJ45 Network Connector in the Front Panel

Specifications

Processor:	GeodeTM GX1, 266MHz
RAM:	32 MB (64 MB max.)
Cache:	16 KB 2nd Level Cache
Flashdisk:	8 MB Compact Flash (72 MB max.)
Network Connection:	10/100MBIT (RJ45-Jack) DAVICOM DM9102AEthernet NIC Controller
Serial Interface:	Four serial RS232 ports, 16550 compatible with FIFO One of them as VT100 terminal connection via 9-pin DSUB-male connector Three via 96 pin rear VG edge connector (only TxD, RxD, DCD)
Parallel Interface:	One LPT port via 96 pin rear VG edge connector
IDE Bus:	Primary IDE-Bus via 96 pin rear VG edge connector
VGA Connection:	via 10-pin contact strip
Keyboard Connection:	via 10-pin contact strip
Status LEDs:	- Power - 'Connect', 'Activity' and 'Speed' (network connection)
Power Requirements:	+5V ± 5%, @ 1A
Connectors:	Rear VG edge connector DIN 41612, type C 96, rows a + b + c 9-pin DSUB-male connector RJ45 connector
Physical Dimension:	Eurocard, 100mm x 160mm, 1.5mm Epoxy
Front Panel:	4HP/3U (20mm wide x 128.4mm high)
Ambient Temperature:	0 ... 50oC
Humidity:	85% max.