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PC32E: DCF77 Radio Clock (AT96/ISA96)

DCF77 Radio Clock PC32E

DCF77 radio clock PC32E with AT96/ISA96 bus interface.

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

- AT96/ISA96 Bus Interface
- Pulse per Second and Puls per Minute (Option)
- Periodic interrupts
- RS-232 interface
- Reception status indicated by LED
- Buffered hardware clock
- Settable Base Address
- Driver software for all popular operating systems



Characteristics

Receiver Type	Narrowband synchronous receiver with automatic gain control, Bandwidth: approx. 40Hz
Status Indicators	RF Signal: Indicated by LED Antenna alignment enhanced by utility program Free Running: Indicated by LED and utility program Without RF signal the clock runs on XTAL with an accuracy of ±1·10-5 Modulation: Indicated by LED and utility program
Type of Antenna	DCF77 indoor antenna Al01
Accuracy free run	Accuracy of the quartz base after min. 24hrs of synchronized operation: ±1·10-6
Reception Monitoring	Incoming time string undergoes multiple checks Plausibility test using two full consecutive time strings
Data format PC interface	[2]Binary, byte serial
Status Byte	Information about free-run state, Daylight Saving Time, DST pre-switch announcement, synchronization since last reset, GMT/UTC time, validity of the hardware clock data
Electrical Connectors	64-pin rear VG edge connector DIN 41612 SMB male connector
PC Interface	AT96/ISA96 Bus
Backup Battery Type	In case of supply voltage failure the on-board RTC keeps the time based on XTAL for more than 150 hours (buffer capacitor) Optional: lithium backup battery (life time: 10 years)
Operating Voltage	+5 V DC
Current Draw	ca. 90mA
Board Type	Eurocard
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	Pulse per second and pulse per minute (TTL level) RS232 Interface

Manual

The English manual is available as a PDF file: [3] Download (PDF)

Links:

- [1] mailto:sales@meinberg.de
- [2] https://www.meinbergglobal.com/english/specs/timepack.htm
- [3] https://www.meinbergglobal.com/download/docs/manuals/english/pc32e.pdf