



## Meinberg Radio Clocks

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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This product is no longer available and may have been replaced by a newer product. 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 Department](#) 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

<b>Receiver Type</b>	Narrowband synchronous receiver with automatic gain control, Bandwidth: approx. 40Hz
<b>Status Indicators</b>	<b>RF Signal:</b> Indicated by LED Antenna alignment enhanced by utility program <b>Free Running:</b> Indicated by LED and utility program Without RF signal the clock runs on XTAL with an accuracy of $\pm 1 \cdot 10^{-5}$ <b>Modulation:</b> Indicated by LED and utility program
<b>Type of Antenna</b>	DCF77 indoor antenna AI01
<b>Accuracy free run</b>	Accuracy of the quartz base after min. 24hrs of synchronized operation: $\pm 1 \cdot 10^{-6}$
<b>Reception Monitoring</b>	Incoming time string undergoes multiple checks Plausibility test using two full consecutive time strings
<b>Data format PC interface</b>	[2] <a href="#">Binary, byte serial</a>
<b>Statusbyte</b>	Informations about free running mode, daylight savings time and DST pre-switch announcement, synchronization since last reset, GMT/UTC time and validity of the hardware clock data
<b>Electrical Connectors</b>	64-pin rear VG edge connector DIN 41612 SMB male connector
<b>Computer interface</b>	AT96/ISA96 Bus
<b>Backup Battery Type</b>	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)
<b>Operating Voltage</b>	+5 V DC
<b>Current Draw</b>	ca. 90mA
<b>Board type</b>	Eurocard
<b>Supported Temperature</b>	Operational: 0 - 50 °C (32 - 122 °F) Storage: -20 - 70 °C (-4 - 158 °F)
<b>Supported Humidity</b>	Max. 85 % (non-condensing) at 40 °C
<b>Options</b>	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>