SMPA32: DCF77 Radio Clock

DCF77 Radio clock ECBA32 with parallel 8 bit interface (SMP)

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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This product is no longer available and may have been replaced by a newer product.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

- Periodic Interrupts
- 2,5mm LED-display
- SMP Bus Interface
- Reception status indicated by LED
- Buffered hardware clock
- I/O Address Decoder,Programmable Address Area
- High speed data transfer (FIFO buffered)

Characteristics

Receiver Type	Narrowband synchronous receiver with automatic gain control, Bandwidth: approx. 40Hz
Status Indicators	Modulation and field strength visualized by LEDs Free running state visualized by LED after switching to free running quartz clock mode
Type of Antenna	DCF77 indoor antenna AI01
Display	8 digit 7-segment LED display (2.5mm) for time or date (switch-selectable)
Synchronization Time	2
Accuracy free run	Accuracy of the quartz base after min. 24hrs of synchronized operation: $\pm 1 \cdot 10^{-6}$
Reception Monitoring	Incoming time string undergoes multiple checks Plausibility test using two full consecutive time strings
Pulse Outputs	Pulse per second (PPS) and pulse per minute (PPM). TTL level, pulse width: 200 msec
Interface	SMP-bus with I/O-address decoding
Serial Time String Output	2 BCD-bits per byte
Dimensions of the front panel	4HP/3U (20mm x 128mm)
Electrical Connectors	64-pin rear VG edge connector DIN 41612 SMB male connector
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. 130 mA
Board type	Eurocard
Board Dimensions	160 mm x 100 mm, 1,5 mm Epoxy
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
Contents of Shipment	Scope of supply includes an active ferrite antenna [2]AI01 and 5m of RG174 coaxial cable with BNC connectors. Optional: [3]AW02 with RG58 and patch cord, other length of cable
Options	set mode with external push-buttons

Manual

There is no online manual available for this product.: [4]Contact us

Links:

[1] mailto:sales@meinberg.de

[2] https://www.meinbergglobal.com/english/products/dcf77-indoor-antenna.htm

[3] https://www.meinbergglobal.com/english/products/dcf77-outdoor-antenna.htm

[4] mailto:info@meinberg.de