



Meinberg Radio Clocks

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IMS-CPE: Backend/Frontend for Configurable Output Modules

This product is only compatible with Meinberg's line of modular **IMS LANTIME** systems.

Visit the [1][IMS Information Page](#) to learn more. These modules consist of a half-size standard controller card (backend) and a dockable port expander card (front-End), providing a large variety of available and programmable output signals and physical connectors, including various electrical and optical interfaces.

Key Features

- 1PPS, 10 MHz, Freq. Synth. (TTL), IRIG, AFNOR, IEEE1344, C37.118, NASA36, PPOs, DCF77 MARK, serial time strings
- Free configurable output signals

Description

These modules consist of a half-size standard controller card (backend) and a dockable port expander card (front-End), providing a large variety of available and programmable output signals and physical connectors, including various electrical and optical interfaces.

Available Signals with IMS-CPE:

- * 1PPS, 10 MHz
- * Time Codes: IRIG A/B/E/G/AFNOR/IEEE1344/C37.118/NASA36
- * Frequency Synthesizer (TTL)
- * Programmable Pulses: 1PPS, 1PPM, 1PPH, Timer, Single Shot
- * Cyclic Pulses, DCF77 Mark, Sync Status
- * Serial Time Strings (RS-232 or RS-422 / 485)

Characteristics

Status Info	LED Status Indicators
	<ul style="list-style-type: none">* LED St: CPE Status* LED In: Status of the backplane's output signals* LED A: CPE status - output signals (1 + 2)* LED B: CPE status - output signals (3 + 4)
Operating Voltage	+5 V DC
Current Draw	5 V +-5%, 150 mA
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

Warranty	Three-year warranty
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.

Manual

There is no online manual available for this product.: [2][Contact us](#)

Links:

[1] <https://www.meinbergglobal.com/english/products/modular-sync-system.htm>

[2] <mailto:info@meinberg.de>