



## Meinberg Radio Clocks

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## SCU-XPT: Switchcard for Redundant GPS-based Time Synchronization Solutions (Eurocard)

Switchcard for redundant GPS-based time synchronization solutions. Can be combined with two [1][GPS170](#) units to build a redundant system with remote monitoring and management features.

### 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This product is no longer available and may have been replaced by a newer product.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 [2][Sales Department](#) for further details.

### Key Features

- Switchcard as a central module used in redundant GPS based time synchronisation systems
- Switches outputs automatically between two satellite receivers
- Automatic switching can be disabled (manual override)
- Remote management and monitoring of the switchcard is possible over the network
- Supported networking protocols: IPv4, SNMP, TELNET, GPSSMON32
- Allows configuration and status queries via network (TCP/IP) either via SNMP or special software (GPSSMON32 )
- Supports SNMP requests as well as SNMP Traps (alarm messages for defined events, e.g. NOT SYNC or ANTENNA FAULTY)
- 10baseT/100baseT Autosensing
- Encrypted communication (AES128bit) possible

## Description

The SCU-XPT switchcard manages the automatic switchover from one GPS clock to the other in redundant systems. If clock 1 loses synchronization or fails, the SCU-XPT module automatically switches over to clock 2, which then will be the so-called "Master Clock" until it fails also (only in this case the system switches back to clock 1 if it restored synchronization).

By using this functionality, technical problems and reception failures can be handled in a secure way. It is possible to connect two separate GPS antenna units to the redundant system, but a GPS antenna distributor like our GPSAV4 can be used to distribute the signals from one antenna to both involved GPS clocks (if redundancy for the antenna is not desired/needed).

With the Meinberg software GPSSMON32 it is possible to change configurations or to inquire the status information of the switchcard or both GPS receivers. The necessary network parameters (IP address, netmask, default gateway) can be set via network (automatically by DHCP or manually using TELNET or our GPSSMON32 software).

The status of the switchcard and the two GPS clocks can be monitored using SNMP as well. SNMP-traps and/or syslog messages are sent out if a status change occurs, if this is configured.

## Characteristics

<b>Status Indicators</b>	'Masterclock' (1 or 2), 'Remote Control', 'Power', 'Connect' and 'Activity'
<b>Electrical Connectors</b>	RJ45-Jack
<b>Computer interface</b>	10/100MBIT via RJ45-Jack
<b>Operating Voltage</b>	+5 V DC
<b>Current Draw</b>	approx. 400 mA
<b>Board Dimensions</b>	160 mm x 100 mm, 1,5 mm Epoxy
<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>RoHS Status of Product</b>	This product is fully RoHS-compliant.
<b>WEEE Status of Product</b>	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.: [3][Contact us](#)

## Links:

[1] <https://www.meinbergglobal.com/english/products/3u-gps-clock-lc-display.htm>

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

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