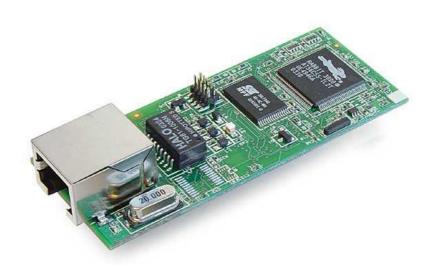
Ethernet LAN Communication Module





General description

The Ethernet module makes it possible to connect a Master Clock to a LAN (Ethernet Local Area Network). The module can be built into any QWTIME III Master Clock.

The module can be used for Master Clock remote control, programming of relay outputs, alarm distribution, supervision and for distribution of correct time. For transmission of correct and accurate time the NTP (Network Time Protocol) is used. NTP is a part of the protocol family UDP/IP.

When using the Ethernet module for time distribution the Master Clock can act as a NTP primary server or as a NTP client.

Units connected to the LAN, supporting NTP, can receive correct time from the Master Clock via the network module.

Included with the Ethernet module is NyToP, Westerstrand NTP-client for Windows 98/NT/2000/XP.

For remote control and relay programming the windows based application software QW3Control can be used. The QW3Control is an option.

Technical data:

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Art. no.: Supports protocols: (For time distribution) Other supported protocols:	123383-00 NTP version 1, 2 and 3, RFC1305 SNTP, RFC 1769 Telnet (RFC 854) HTTP
Transport protocol: IP-address assignment Compatibility: Ethernet: Ambient temperature: Device Management: NTP client software: Application software:	SNMP v1 Enterprise MIB (RFC 1155 – 1157) TCP/IP Dynamic, using DHCP, or fixed IP-address Ethernet version 2/IEEE 802.3 Supports 10/100BASE-T (RJ45) connections -0°C up to +40°C Web-Based (requires web browser) or Telnet NyToP , freeware, manual 1672 QW3Control art. no. 123396-00, manual 1739

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