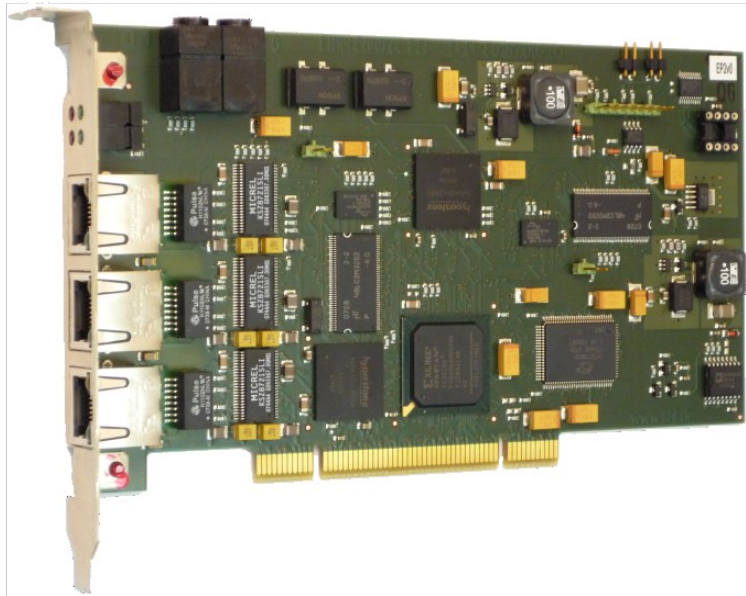




# SHF Communication Technologies AG

the bandwidth company

## EPCI - Ethernet Powerlink Managing Node for PCI Bus



The simple memory-mapped design makes it easy to access the PCI-MN under different operating systems. The card features a 2<sup>nd</sup> EPL-Network allowing to configure two separate EPL-Networks which may be synchronized to allow splitting a network to achieve faster cycle times.

All communication between the host and the EPL-MN is done via the Dual-Port-RAM (DPR). The configuration for the Ethernet Powerlink network is just written into the configuration area of the RAM. The realtime process data is exchanged via the 2MB DPR.

The 1<sup>st</sup> EPL-connection has an integrated 2-port hub.

Several synchronization methods including interrupts and DMA are available.

A demo-software for Windows and Linux including source-code is supplied.

ETHERNET   
**POWERLINK**

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