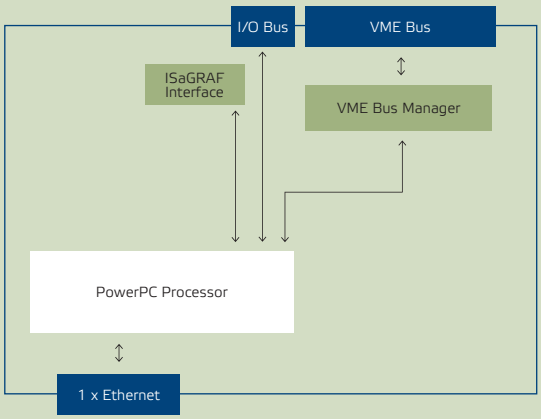

Central Processing Unit with Ethernet Bus (CPE)

EN 50155
EN 45545
IEC 61131

MODULE FUNCTIONS

The Trainnet® CPE is a straightforward processing unit designed exclusively for Ethernet bus connectivity. It is used exclusively as a part of the Trainnet® Remote Input/Output Module (RIOM) to redirect I/O signals between the train computer (e.g. VCU) and the RIOM.

KEY FEATURES

The Trainnet® CPE comes with a 10/100 Mbit/s Full Duplex Ethernet interface that is used to connect to the Trainnet® train computer.

The Trainnet® CPE simply reads and writes I/O signals. It is able to redirect input signals from the RIOM to the train computer. The CPE can also get information from the train computer and pass it on to the RIOM I/O modules that generate output signals.

Please note that the CPE does not have a real-time clock or flash memory: it cannot be used to run train applications. It works only when it is connected to a Trainnet® train computer, typically a Gateway, VCU or TCMS.

TECHNICAL SPECIFICATIONS

Dimensions (W x H x D)
4 TE x 3 U x 160 mm
Weight
140 g
Input Power
5 V DC ± 5 % (1 A max., 0.5 A typ.)
Temperature Range (operational)
-40 °C…+70 °C
MTBF (40 °C ambient temperature)
1 630 000 h
Ethernet Interface
1 x 10/100 Mbit M12 connector
Serial Interfaces
1 RS 485 on back for I/Obus connectivity
Boot Flash Memory
8 MB
File System Flash Memory
512 MB
Processor RAM
64 MB
VME Bus (IEC 821) Interface
A24/D16 Master or Slave