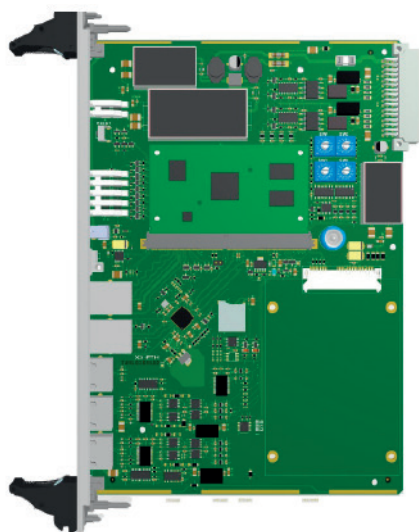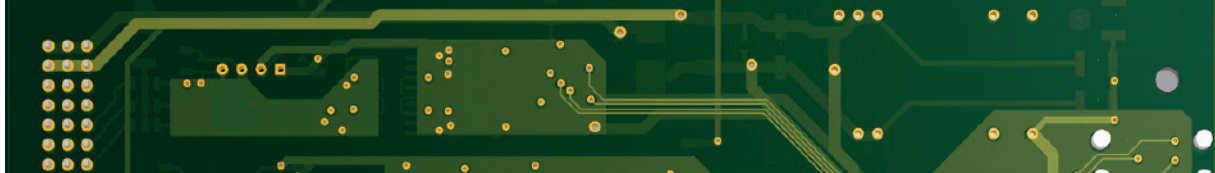![RM logo](www.rail-mil.eu)

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X3 CARDS

AUTOMATION AND CONTROL - CPUs

![RM logo](www.rail-mil.eu)

X3-ETH

The X3-ETH processor card is used to manage the X3 family card cage of IO boards for executing control and feedback control functions of safety systems, e.g. railway traffic control. The exchange of information inside the card cage is accomplished through isolated CAN interfaces at speeds up to 1 Mbit / s. The board communicates with the master system using the Ethernet interface.

Front panel width 6TE.

Basic parameters:
- Power supply   24V DC ±20% / 500mA
- CAN   2 x CAN max 1Mb/s

Front panel function:
- LEDs   Logic power supply and life indicator
- Ethernet   2 x 1Gb/s
- RS232   2 x configurable RS port
- USB

Other interfaces:
- Switches: 4 x 16-position switch
  SW1 + SW2   – module address
  SW3   – transmission speed
  SW4   – general purpose

HOT-SWAP
made in POLAND

X3-ETH2

The two-channel X3-ETH2 processor card is used as CAN server in the X3 family card cage.

Front panel width 4TE.

Basic parameters:
- Power supply   24V DC ±20% / 600mA
- CAN   1 x CAN max 1Mb/s

Front panel function:
- LEDs   Logic power supply and life indicator
- Ethernet   4 x 10/100Mb/s
- SFP   2 ports, 100Mb/s

Other interfaces:
- Switches: 4 x 16-position switch
  SW1 + SW2   – module address
  SW3   – transmission speed
  SW4   – general purpose

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X3-ETH2-SFP

The X3-ETH2-SFP processor card is used to manage the X3 family card cage of IO boards for executing control and feedback control function of the systems.

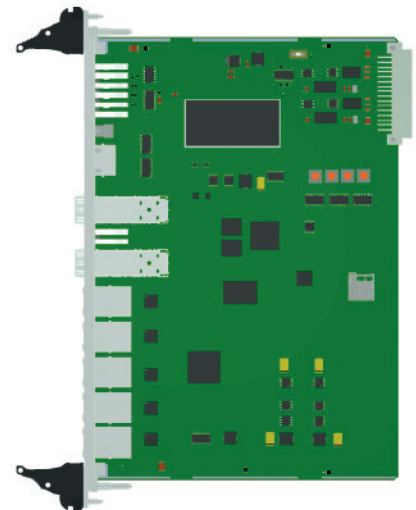Front panel width 4TE.

Basic parameters:
- Power supply   24V DC ±20% / 600mA
- CAN   2 x CAN max 1Mb/s

Front panel function:
- LEDs   Logic power supply and life indicator
- Ethernet   4 x 1Gb/s
- Ethernet   1 x 100Mb/s
- RS232   1 x port RS
- USB   1 × USB 2.0
- SFP   2 ports, 1Gb/s

Other interfaces:
- Switches: 4 x 16-position switch
                        SW1 + SW2   – module address
                        SW3   – transmission speed
                        SW4   – general purpose

X3-PC-6U

The X3-PC-6U computer card has PC functionalities and is installed in the X3 family card cages. Card performance is dependent on the CPU module installed. The card may has two independent SATA interfaces. The computer can run under Windows®, Linux, QNX® operating systems. The X3-PC-6U card supports hot-swap capability.
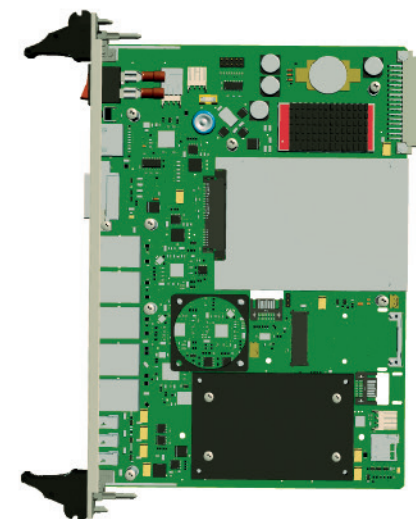
Front panel width 6TE.

Basic parameters:
- Power supply   24V DC ±20% / 350mA
- CPU
                        – mini COMe type 10
                        – to 4 GB RAM DDR3
                        – 1 x 2,5" SSD/HDD
                        – 1 x mSATA

Front panel function:
- Ethernet   2 x 1Gb/s
- Ethernet   3 × 100Mb/s
- USB   3 × USB 2.0
- Video output   1 × DVI
- Serial   1 x RS232

CPUs used:
- Intel® Celeron® N2930 QuadCore 4 x 1,86GHz, 2GB RAM DDR3
- Intel® Atom® E3845 QuadCore 4 x 1,91GHz, 4GB RAM DDR3, 8GB Flash
- Intel® Atom® E3826 DualCore 2 x 1,46GHz, 2GB RAM DDR3, 4GB Flash
- Intel® Atom® D2550 DualCore 2 x 1,86GHz, 2GB RAM DDR3
- Intel® Atom® E3825 DualCore 2 x 1,33GHz, 2GB RAM DDR3

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