

## KONTRAC Intelligent controller for the electric multiple unit, type ICNT/EMU

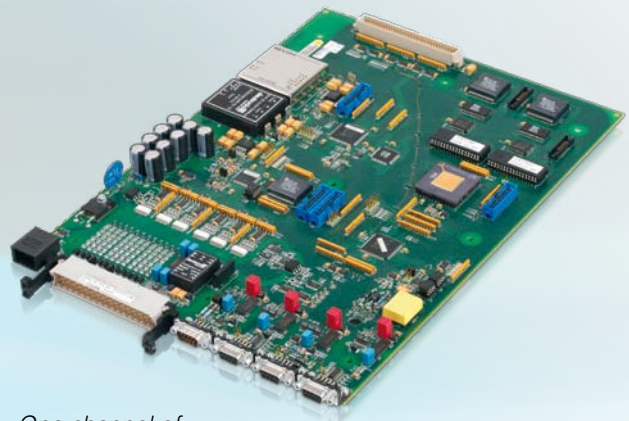


The intelligent controller for the low-floor electric multiple unit is an embedded control system that accepts all driver inputs, processes and sends them to other control units by means of the so-called "X-by-wire" principle. The controller is based on proprietary HW/SW components. There are two ICNT/EMVs installed in each driver's cab.

# KONTRAC Intelligent controller for the electric multiple unit, Type ICNT/EMU

## Basic features:

- developed upon the proprietary long-life HW/SW platform
- completely redundant 2-channels configuration
- supports safety-critical real time functions
- supports communication with other intelligent units in vehicle
- 2 CAN/CANopen interfaces
- 2 RS485 interfaces
- 2 general purpose microprocessors
- 2 microcontrollers
- remote diagnostic functions
- programming IDE based on block-diagrams



*One channel of intelligent controller's electronics*

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