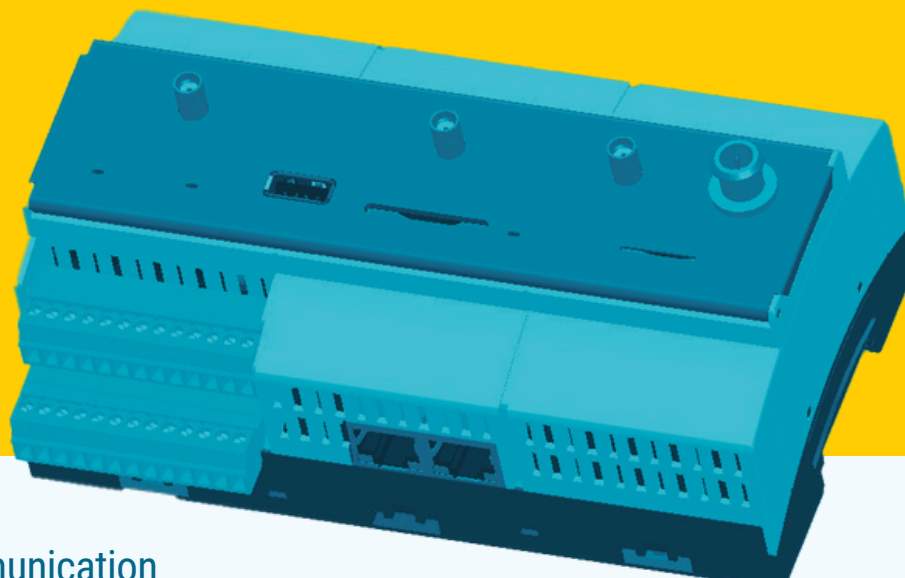# FARDATA

e-CON Multicontroller FD-MC100

Versatile data logger and communication controller for mobile and stationary systems. Combines data acquisition, control, and analysis with GSM/LTE, Wi-Fi, Bluetooth, GPS, and Ethernet interfaces. Linux-based, compact, low power, and built for harsh environments.

Features

› Low power consumption

› Built-in support for the most common interfaces

› Wide operating temperature range

› Reliable performance in mobile applications

› Linux-based system for flexible management

› GPS positioning

Applications

› Traffic Management

› Weather condition monitoring

› Travel time measurement system

› Remote device control

FARDATA

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Communication & Data Handling

Communication Interfaces	RS232 (2)
	RS485 (2)
	Ethernet (2)
	Wi-Fi (RP-SMA female connector)
	Bluetooth (RP-SMA female connector)
	GSM/LTE (FME male connector)
	GPS (SMA female connector)
	USB-A
Control Outputs	6 programmable output channels
Data storage	internal memory
	SD card
	USB

Operating System

Linux	OpenWRT

Power Supply

Supply voltage	8...30 VDC
Current consumption	max 3 W, 250 mA @ 12 VDC
Surge protection	Transient Voltage Suppressor (TVS)
Short-circuit and overload protection	Polymeric Positive Temperature Coefficient fuses (PPTC)

Environmental

Operating temperature range	-40°C…+85°C
Operating humidity range	0…95% RH

Physical

Dimensions	160 x 90 x 70 [mm]
Weight	~350 g

Installation

Mounting	DIN rail

Diagram