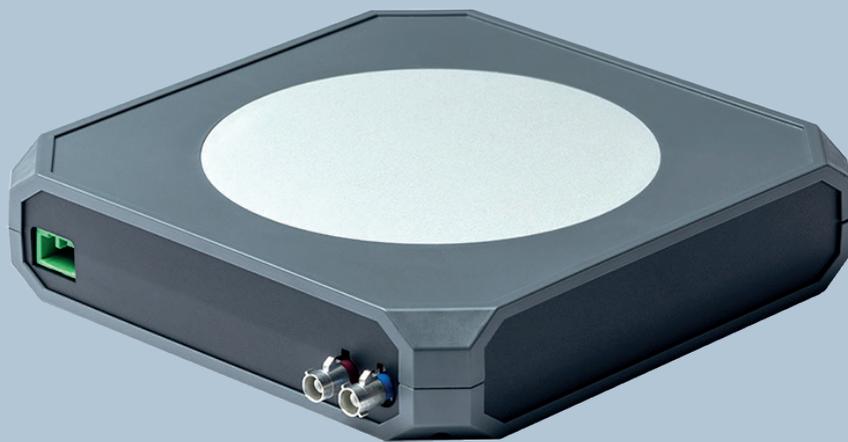


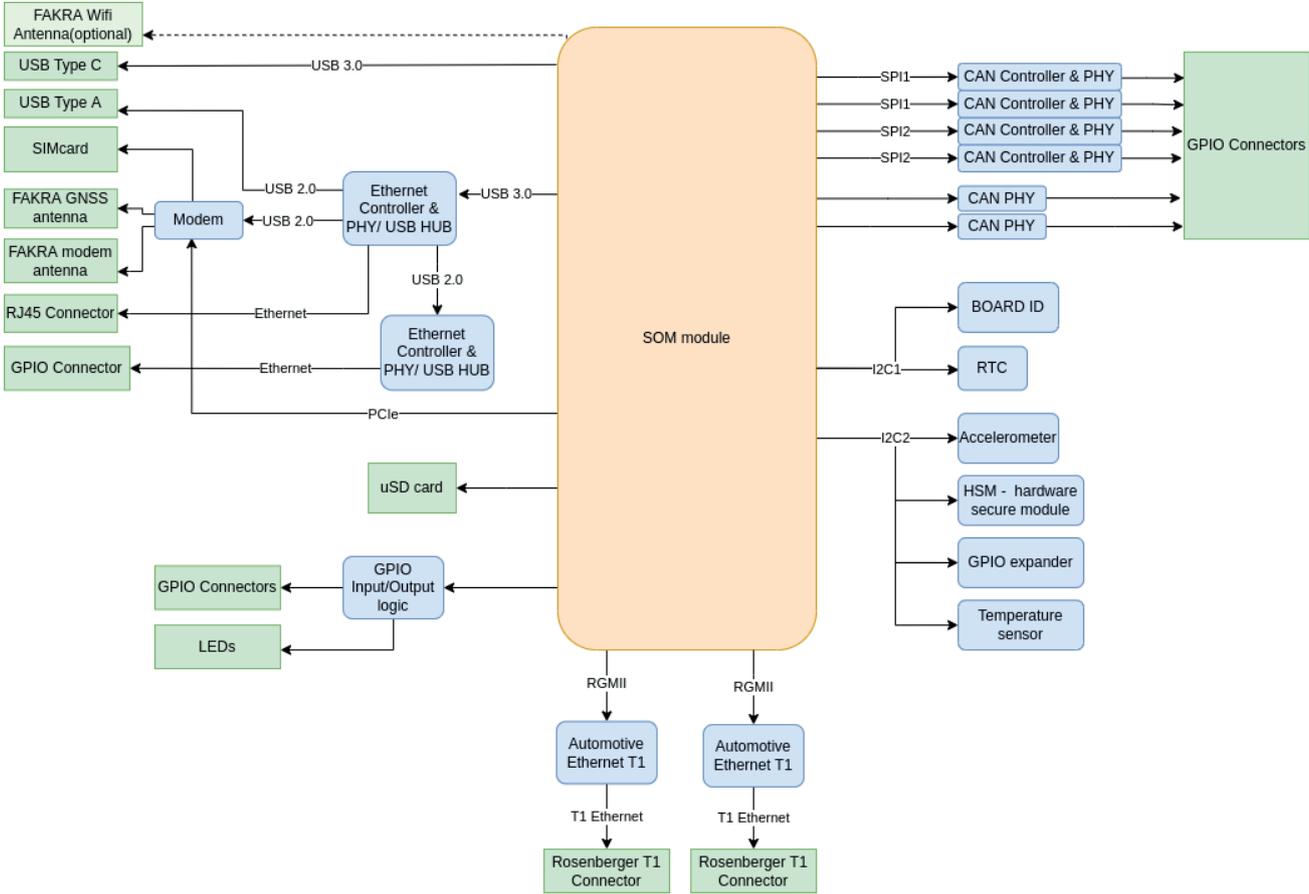
Product Data Sheet

HOST Monitor X (HMX)



A new generation of Linux-based industrial computers suitable for vehicle telematics and machine learning.

System design for Host Monitor X (HMX)



Features

CPU	64 bit Quad-core ARM Cortex-A53 with 800MHz real-time Cortex-M7 co-processor
Accelerometer	3-axis
Buzzer	Internal and power for external
CAN	6 CAN-FD
Digital Inputs	6
Digital Outputs	Multiple programmable ports
Ethernet	2x 100/1000 Base-T1(Rosenberger), 2x 100-BaseTx (RJ45 and MX34)
External Logging	uSD Card
GPS	Included in modem, external antenna
Housing	Aluminium/plastic
Start Signal	KL15 External input, 2.5-32V (5 inputs)
Internal Storage	64 GB eMMC
LEDs	5 red/green/yellow combinations, software controlled
Modem	5G or 4G, M2 connector
Nominal Voltage	12-24V
Operating Temperature	-40 to +65°C
Default Operating System	Yocto Kirkstone, Linux Kernel 6.1
Power Consumption @12V <	1 mA in "Off", 25 mA in "Suspend to RAM"
Protection	IP30
RAM	4GB DDR4
Real Time Clock	Yes, backed by button cell
SIM	nanoSIM
Sleep	Yes. Wake on CAN, digital inputs, accelerometer and rtc
Size without connectors	164x164x36mm
UPS	3 seconds supercap power
USB	USB 3.0 OTG type C, USB 2.0 host type A
Boot devices	eMMC or SD card (selected with button plus USB recovery fallback)
Hardware Security Module (HSM)	Yes
Additional sensors	Accelerometer and temperature
Serial console	Internal FTDI type header