

IoT Gateway DRC Compact



Connects sensors, IoT modules and sensors to the cloud

- ▶ Based on the STM32MP1 DHCOR, the DRC Compact represents a cost-effective and performant unit
- ▶ DIN Rail Controller (DRC) connects sensors, IoT modules and smart devices to the cloud
- ▶ Allows data filtering, visualization and complex analysis
- ▶ Features all common network and industrial interfaces such as RS485, RS232, CAN, Ethernet, USB, WiFi and BT
- ▶ Operating system is Mainline Linux Debian or Yocto
- ▶ Guaranteed long-term availability of 10+ years

Technical Data

CPU details

CPU name	STM32MP15
CPU type	Dual Cortex-A7 and Cortex-M4
CPU clock	up to 800 MHz and up to 209 MHz
BSP	Linux (Debian, Yocto)

Interfaces

Ethernet	1x 10 / 100 1x 10 / 100 / 1000 Mbit/s
USB host	1x High-speed
Serial interfaces	1x RS485 isolated, 1x RS232 or RS485 1x Debug UART internal
Micro SD	4-bit micro SD card
CAN	1x CAN (up to 1 Mbaud)

HMI

LEDs	3x status
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Physical

Dimensions	128 x 17.5 x 94.2 mm
Weight	120 g
Power supply	10.8 to 26.4 VDC
Battery for RTC	CR2032 (optional)
Typ. power consumption	3.0 W
Operating temperature	0 to +50 °C
Storage temperature	-20 to +70 °C
Certifications	EN 61131 EN 61000-6-2 EN 61000-6-3
IP protection	IP30