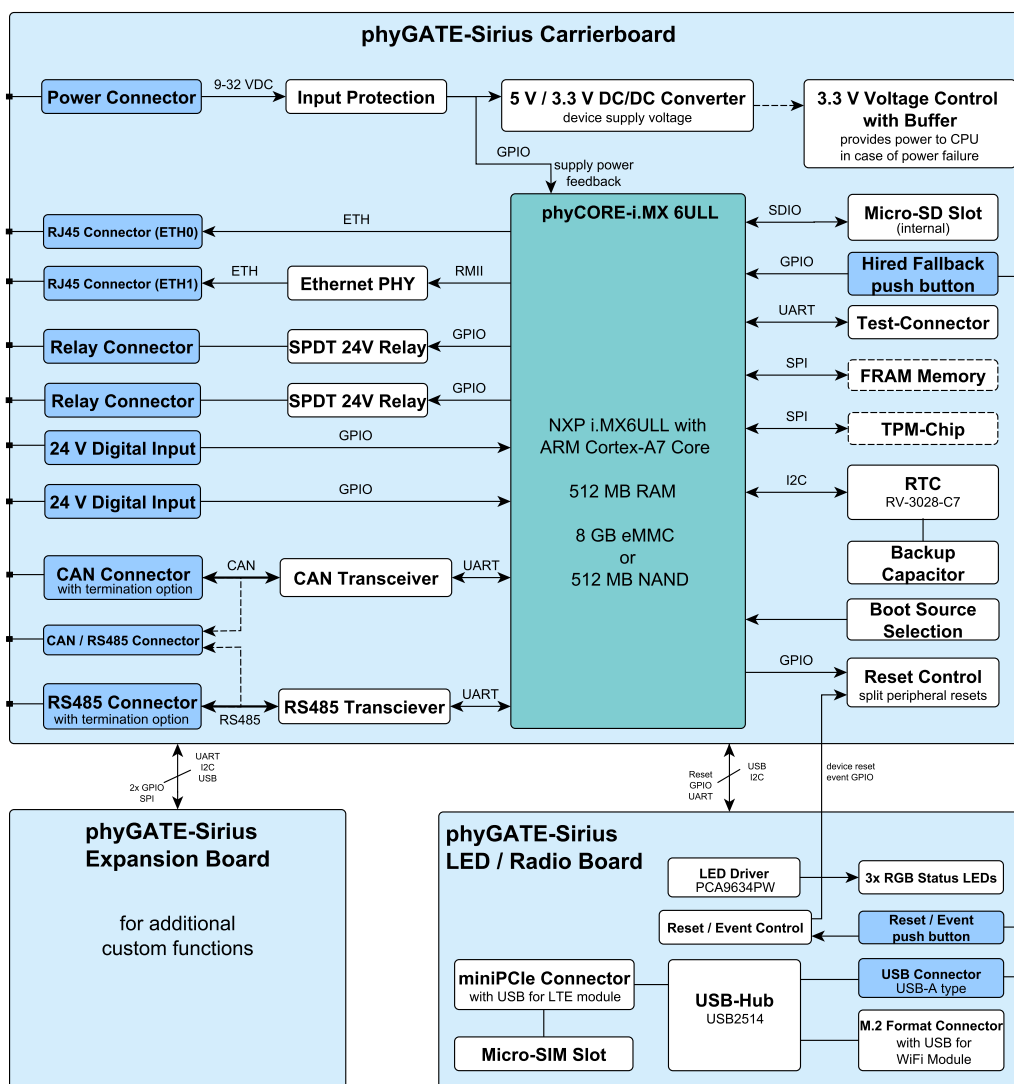


PHYTEC

phyGATE[®]-Sirius

Take your data to the cloud

The phyGATE-Sirius collects and processes data from sensors or entire machines and plants. For this purpose, it is equipped with interfaces such as RS-485 and CAN as well as a range of I/Os. The data can then be displayed on a connected HMI or transferred to a cloud. Optionally, the gateway is also available with Bluetooth 5.0 and can be expanded with LTE and Wi-Fi. Thanks to the installation housing which is in accordance with DIN 43880, the gateway fits into standard distribution board A high-performance Arm[®] Cortex[®]-A7 processor is used as the basis for the phyGATE-Sirius.



Module configuration | phyGATE-Sirius

Module	phyCORE-i.MX 6ULL
Processor	NXP i.MX 6ULL Y2
Architecture	Arm® Cortex®-A7
Clock frequency	792 MHz
MEMORY	
Flash	8 GB eMMC
RAM	512 MB DDR3
EEPROM	4 kB
FRAM	64 kB SPI FRAM
DEVICE	
Real Time Clock	buffered with goldcap
CPU power buffer	optional
User Button	event trigger / device reset
RGB-LEDs	event, power, status
Security	TPM Chip
Expansion PCB option	prearranged interface connector for additional custom board
SOFTWARE	
Operating system	Linux (Yocto based)

Interfaces

CAN	1x non isolated CAN, additional CAN/RS-485 connector (CAN default)
Ethernet	2x 10/100BASE-T
RS-485	1x RS-485
Digital Input	2x 24 V digital inputs
Relay	2x SPDT relay (24 VDC)
USB	1x USB host 2.0
MMC	1x SD card slot (internal)
WIRELESS	
Bluetooth 5 / BLE	nRF52840 (optional)
Mini PCIe connector	for LTE-module via USB (optional)

Physical Data

Dimensions	107.6 mm x 89.7 mm x 61 mm
Housing	Phoenix BC
Temperature grade	0 °C to +60 °C
Supply voltage	9 V -32 V DC, nom. 24 V DC



Further information
on our IIoT products
and services at:

www.phytec.eu/iot

