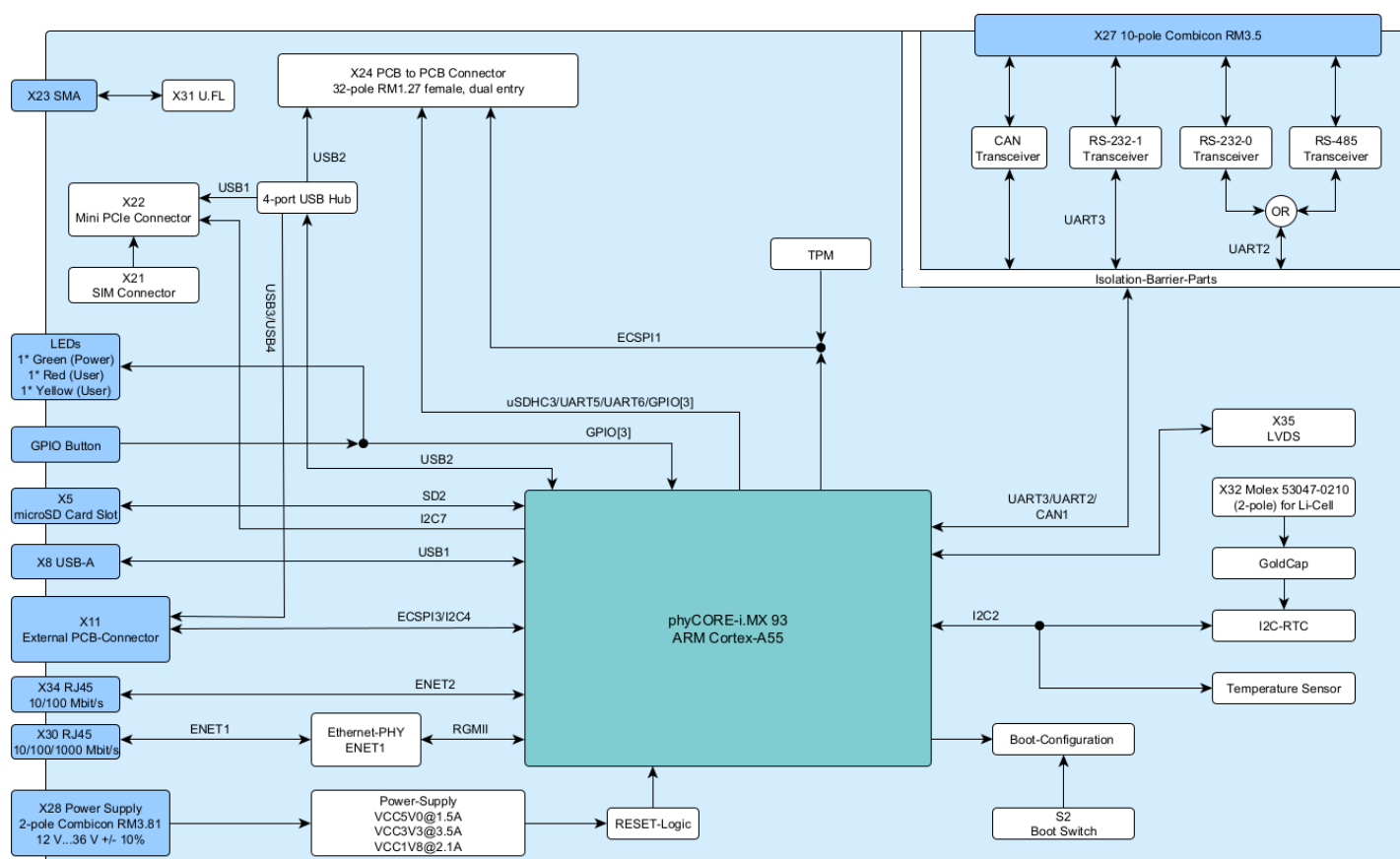


phyGATE-Tauri M

Discover the ideal IIoT gateway for your Industry 4.0 projects and retrofit solutions – ready for smart data analysis and efficient control of your machines.

PHYTEC is proud to announce the launch of the phyGATE-Tauri family, which comprises three performance classes of gateways in DIN rail housings. These products offer uniform expansion options from the outset of a series, ensuring versatility and flexibility for our customers. Please select from the following three options: The product is available in sizes S, M and L. The most powerful variant features a 4-core Cortex-A53 system (i.MX 8M Mini), while the cost-effective solution is based on the i.MX 6ULL SoC with a Cortex-A7 core. The middle variant is equipped with the new i.MX 93. Compatible expansion cards are available for all variants, allowing you to adapt your solution flexibly and precisely to your requirements. Thanks to our uniform design, you can meet various performance requirements and convince your markets with tailor-made, cost-optimised offerings.



phyGATE-Tauri-M Technical Details

Processor	phyCORE-i.MX 93
Architecture	2x Arm® Cortex®-A55 / Cortex®-M33
Bit width	64-bit
Frequency	up to 1.7 GHz (A55) / up to 350 MHz (M33)
Processor Ext.	Arm® NEON™; Arm® TrustZone®
HW Security	TPM Chip
MEMORY	
eMMC	32 GB (opt. 4 GB - 256 GB TLC)
LPDDR4 RAM	2 GB (opt. 512 MB - 2 GB)
EEPROM	4 kB (opt. up to 32 kB)
INTERFACES	
Ethernet	2x 10/100/1000 Mbit/s (TSN support)
USB	1x USB-A (+2x host via phyRail and internal connector)
Serial	2x RS-232 (without flow control, isolated) or 1x RS-232 + 1x RS-485 (isolated)
CAN	1x CAN FD isolated, second CAN available as TTL-signals on internal connector
Digital I/O	via phyRail extension module or internal
Wireless	optional via PCI Express Socket (USB)
MMC/SD/SDIO	microSD Card Slot
Status	1x user button, 2x configurable user LED, 1x power status LED
Sensors	Temperature
PHYSICAL PROPERTIES	
RTC	GoldCap for real-time clock, optional lithium cell for 10+ years of buffering
RTC Buffering	Battery holder for CR2032
Power Supply	min. 12 VDC (-10 %), typ. 24 VDC, max. 36 VDC (+10 %)
Power Adapter	SELV/PELV
Dimensions	110 mm x 100 mm x 25 mm
Housing	Phoenix ICS
Housing Material	Polyamid
Mounting Type	Top-hat rail mounting according to DIN EN 60715
IP Protection Class	IP20
Storage Temperature	-20 °C to +70 °C
Operating Temperature	-20 °C to +60 °C
Humidity	10 % - 95 % non condensing
Approval	CE
SOFTWARE	
Operating System	Linux (Yocto based), Android

Highlights

- Gateway ready for series production for implementing your own application software
- Retrofit – ideal for control and monitoring tasks
- OEM modifiable in terms of branding and delivery condition
- DIN rail housing available in various colors and with printing
- Industrial, long-term available i.MX 93 controller
- Current Yocto-based Linux BSP (LTS kernel)
- Prepared for update and device management
- CE certified

Your Advantages

- CE certified
- Price/performance optimization through three selectable systems: i.MX 6ULL, i.MX 93, or i.MX 8M Mini
- Individual expansion for your interface requirements through standardized backplane bus
- Space-saving solution through on-board expansion
- Individual interface expansions at low cost
- Easy integration of your systems into cloud solutions through existing sample implementations
- Offer your customers security through Secure Boot, Secure Root File System, and certificate management
- Long-term solution right from the start thanks to current Linux/Yocto versions with long-term maintenance
- Offer your customers an update service through device management solutions from PHYTEC
- Future-proof thanks to long-term maintenance and expansion
- Complementary hardware and software solutions from our partners (LoRaWAN, data visualization, security, etc.)

For more information about phyGATE-Tauri M, visit:



<https://www.phytec.de/produkte/fertige-geraete-oem/phygate-tauri-m/>