



IPRU V4 - DIN

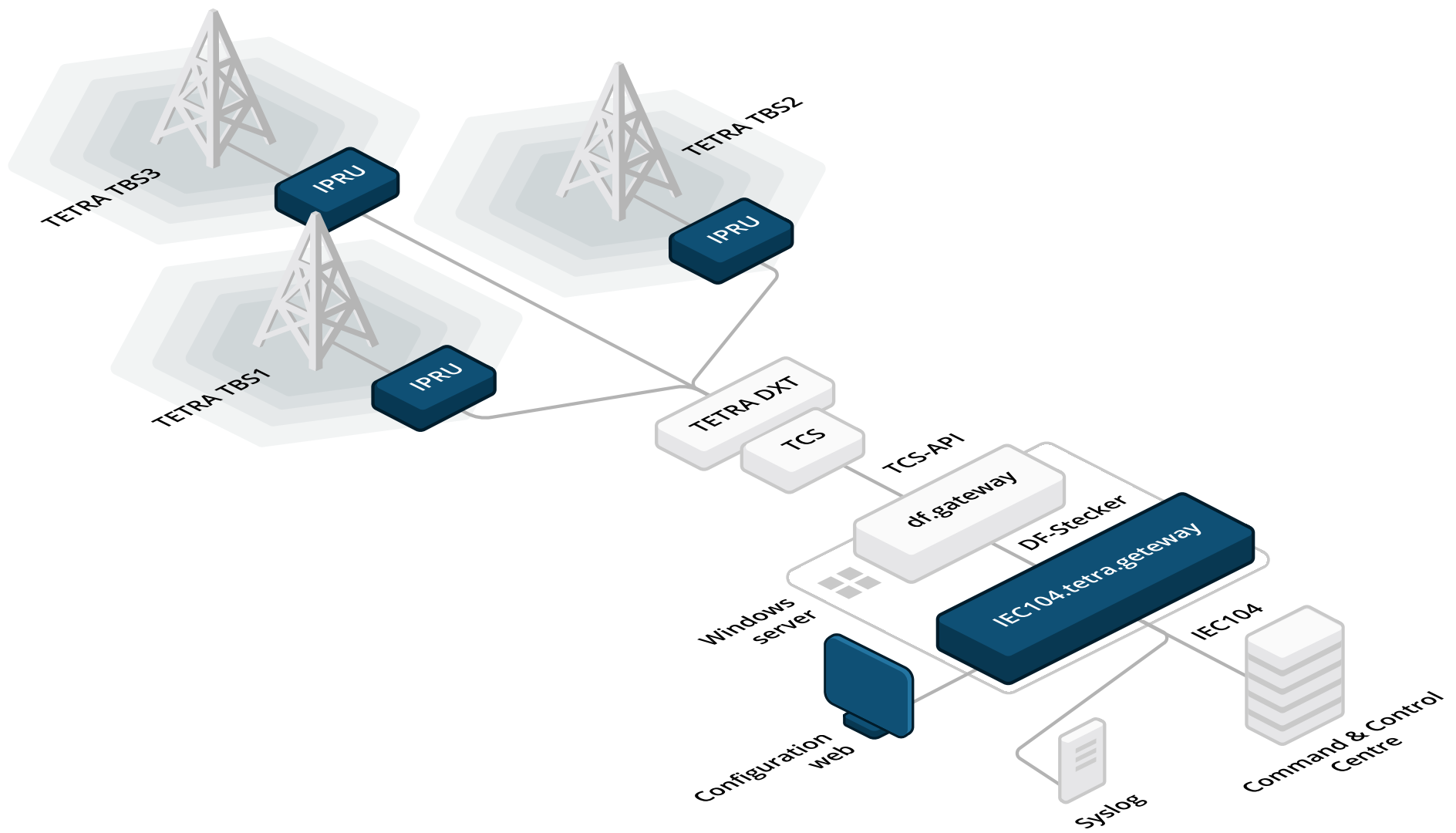
Energy Grids Management over TETRA

- ✓ 2 LAN interfaces for critical infrastructure
- ✓ Integrated TETRA communication module
- ✓ Integrated configuration web server
- ✓ ARM-Cortex M7 32-bit 216 MHz with 2MB+ 64 MB Flash and 512 kB RAM + 16 MB RAM
- ✓ RS485 / Modbus protocol support
- ✓ Centralized configuration and management

The IP Radio Unit V4-DIN is designed for **remote monitoring and control** of devices via the TETRA network. The housing is suitable for **DIN mounting frames**. The antenna connector provides the connection for the TETRA network antenna. Two RJ45 ports provide **LAN redundancy** connections to ensure continuous network availability in **critical infrastructure** environments.

With **8 digital inputs**, **4 relay outputs**, and **RS485/Modbus** connectivity, the IPRU V4-DIN provides versatile integration and control of external devices across energy infrastructure. Control LEDs indicate the status of the device and its interfaces. The USB interface is used for service purposes. The auxiliary voltage is galvanically isolated from the power supply (24VDC). The supply voltage is 12-24VDC, and the housing is made of aluminum for rail mounting.





Technical specifications	
Power supply	Connector: MULTICOMP 2MJ-0402A120 Voltage: 12-24V DC Consumption: 15W
Ethernet port	2 x RJ45 10Mbps and 100Mbps with auto negotiation (side)
Antenna connector	FME male (50 Ω), supporting TETRA frequency bands 380–400 MHz and 410–430 MHz
Service port	USB-C
Reset button	Reset to factory defaults
LED indicators	Power, LAN, Radio Status, Radio Rx, Radio Tx, RS485 (Rx, Tx, Error)
Main connectors	4 x Phoenix SPT-THR 1,5/ 8-V-5,0
Digital I/O	8 x digital inputs 4 x digital outputs (relays)
RS485 interface	1 x pair connection (RS485RD+ RS485RD-) 2 x pair connection (RS485RD+ RS485RD- RS485TD+ RS485TD-) RS485 GND (communication cable shield - when necessary)
Mounting	DIN rail
Dimensions (HxWxD)	175 x 105 x 55mm
Weight	700g
Operating temperature	-5°C to + 60°C
Storage temperature	-25°C to + 70°C
EMC	EN 55032 Kl. A:2015 + A1:2020 + A11:2020 EN IEC 61000-6-2:2019 EN 55035:2017 + A11:2020 EN 301 489-1 V2.2.3

