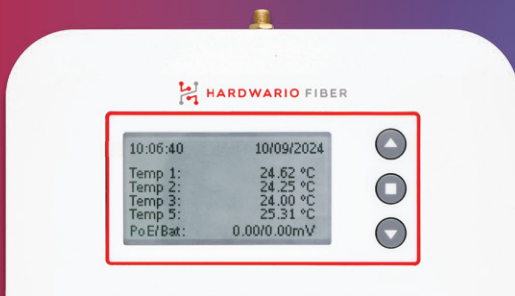




HARDWARIO

PRODUCT CATALOG



- 



CHESTER Control

- Connect and control up to 4x digital input and 4x digital output
- External power supply with backup battery
- Remote command triggering and parameter settings
- Integration through REST API and webhooks



CHESTER Scale

- Measures the weight of goods, liquids, gas bottles, vehicles, etc.
- Proven application in fast food chains, hospitals, retail industry, and more
- Direct connection of load cells or through addressable 1-Wire bus
- Integration through REST API and webhooks



CHESTER Current

- Non-invasive 1-phase or 3-phase AC/DC current measurement
- Monitor the state of machines or predict failures over the course of time
- Current measurements can range from 1 A to 1,500 A
- Integration through REST API and webhooks



CHESTER Clime IAQ

- Indoor air quality monitoring with light and motion sensing
- Integrates CO2, temperature, humidity, light, atmospheric pressure sensors
- Rechargeable Li-Po battery with 5+ months battery lifespan
- Integration through REST API and webhooks



CHESTER Meteo

- Wind speed, wind direction, rainfall, temperature, and humidity monitoring
- Atmospheric pressure with configurable measurement
- 3+ years of battery lifespan in extreme outdoor conditions
- Integration through REST API and webhooks



CHESTER Push

- Reduce downtimes on production floors by receiving early notifications
- Four durable buttons with LED indication w/ customizable print labeling
- Differentiate short and long push-button presses and control LED remotely
- Integration through REST API and webhooks



CHESTER wM-Bus

- Collect energy meter readings wirelessly from wM-Bus T1/C1 devices
- Gather data from gas, heat, electricity, water meters to provide accurate billing
- Non-invasive deployment with 7+ years battery lifespan (ext. power possible)
- Integration through REST API and webhooks



CHESTER Energy

- Intelligent IoT gateway for measuring electricity, water, and gas consumption
- Supports Modbus RS-485 for connecting up to 255 measuring devices
- Secure data transmission via NB-IoT/LTE-M
- Easy remote configuration via HARDWARIO Cloud



CHESTER Range

- Wireless distance sensor with ultrasonic measurement
- Ideal for monitoring liquid levels and bulk materials
- Supports up to 4 external temperature/humidity probes
- Long battery life, easy integration



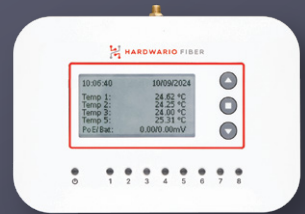
GAUGER • Industry 4.0 Collector

- DIN-rail mount device with 4x galvanically separated digital inputs
- Connectivity via Ethernet or WiFi with local configuration web page
- Modbus TCP server for reading values (counters, states, etc.)
- Powered by 12 V or 24 V DC lines with LED diagnostics



FIBER • Linux Gateway

- Embedded Linux versatile system with Ethernet / WiFi / LTE connectivity
- Integrates local radio 868 / 915 MHz with FSK / LoRa modulation (64 devices)
- Provides 8x hardware independent 1-Wire digital bus channels
- Powered by Power-over-Ethernet (POE) with a built-in Li-Ion backup battery



EMBER • LoRaWAN Gateway

- Rugged IP 67-rated LoRaWAN gateway based on MikroTik
- Supports LoRa frequencies 868 and 915 MHz
- Secure connectivity through LTE, Ethernet, or WiFi
- Connects to LoRaWAN server via UDP / CUPS / LNS protocol
- Full OEM customization is possible



STICKER • IoT Platform

- Wireless IoT LoRaWAN multi-sensor (PIR, magnet, temperature, humidity, light)
- Optional configurable 2x input for 1-Wire / analog / digital interfaces
- Integrated NFC for simple parametrization from a smartphone
- Powered by 2 x AA batteries with up to two years of battery lifespan



STICKER Clime

- Monitors the temperature and humidity of the environment
- Compact size and low power consumption
- Wireless communication via LoRaWAN
- Powered by two AA batteries



STICKER Input

- Data acquisition from external sensors via analog and digital inputs
- Wireless communication via LoRaWAN
- Long battery life, powered by two AA cells
- Easy connection to various applications



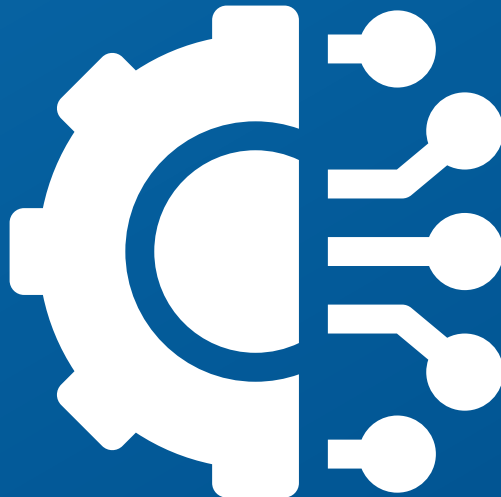
STICKER Motion

- Motion and vibration detection using a three-axis accelerometer
- Suitable for safety monitoring and activity tracking
- Wireless communication via LoRaWAN
- Powered by two long-life AA batteries



Custom Engineering Services

- We closely work with the client from an initial idea to a mass production
- Hardware and embedded software engineering of the connected products
- Knowledge of wireless systems, LPWAN, low-power design optimization
- Experience with bare metal, Zephyr RTOS, embedded Linux, etc.
- Implementation of high-availability cloud backend services (Kubernetes)
- React-based frontend services, visualization tools, and dashboards
- Mechanical engineering, documentation, sourcing, production, and fulfillment



CONNECT • SENSE • CONTROL



www.hardwario.com



ask@hardwario.com