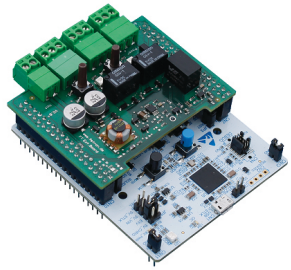
who Ingenieurgesellschaft mbH

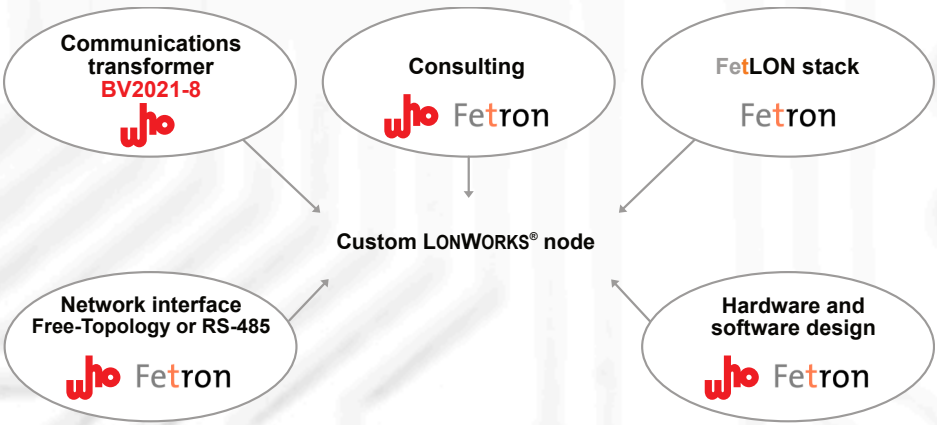
Fetron

Your development partner for custom solutions



Powerful, independent, interoperable LON platform

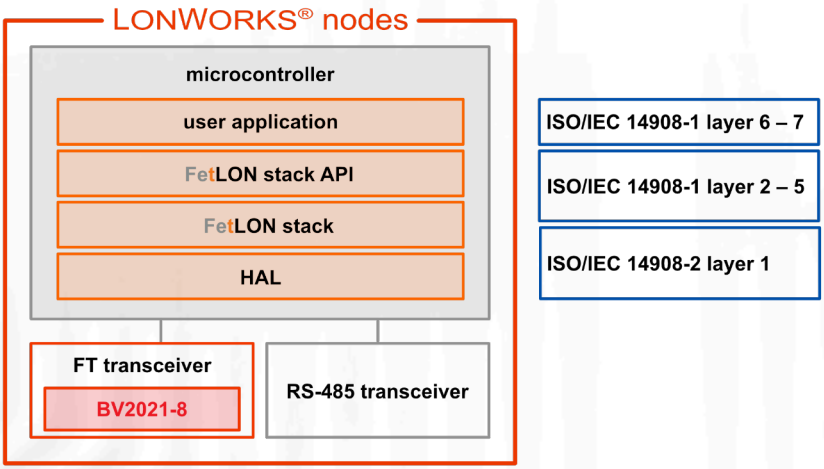
- **Robust:** Our **FetLON** stack is a reliable and versatile solution for the LON® protocol.
- **Patented:** Our proprietary “differential Manchester code conversion” enables the processing of the LON® protocol with off-the-shelf microcontrollers.
- **Simple:** Our **FetLON** stack allows the use of the LON® protocol on any manufacturer-independent microcontrollers and on a simple bus interface.
- **Flexible:** Our **FetLON** stack provides long-term and maximum flexibility due to the independence from technology providers and avoids single-source dependencies.
- **Compact:** Due to its small size and SMT mounting, our **who** Communications Transformer **BV2021-8** allows a wide range of applications.
- **Budget:** Low component costs compared to existing solutions.



Further information on the **who** Communications Transformer **BV2021-8**: https://who-ing.de/en/bv2021-8_en

Features

- One-chip solution that integrates the physical interface and stack on the same controller.
- Economical and energy-efficient with small footprint and low performance demands on processors – 16-bit (e.g. MSP-430) and 32-bit (e.g. ARM Cortex M0) controller.
- Compatibility with various controllers, storage media and peripheral units through specific C files.
- Minimum operating system requirements, with easy adaptation to different systems, including Zephyr, FreeRTOS or Bare Metal environments.
- Scalable design, adaptable to different storage types and storage sizes.
- Thanks to the **who** Communications Transformer **BV2021-8**, smaller sizes than with comparable communications transformers can be achieved: https://who-ing.de/en/bv2021-8/
- Fully ISO/IEC 14908.1 compliant.
- Up to 4096 network variables (including alias network variables) and up to 254 address table entries, depending on the processor resources.
- Supports multiple parallel transactions.
- The software architecture reflects the Open System Interconnection (OSI) model.
- Compact code size, with demo projects under 64 KB Flash, including all configuration tables.
- Available as C source code or library.
- Eval kit based on STM32 Nucleo Development Board available.



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