

STM32 and Real-Time Ethernet

Industrial communication protocols and OPC UA / MQTT



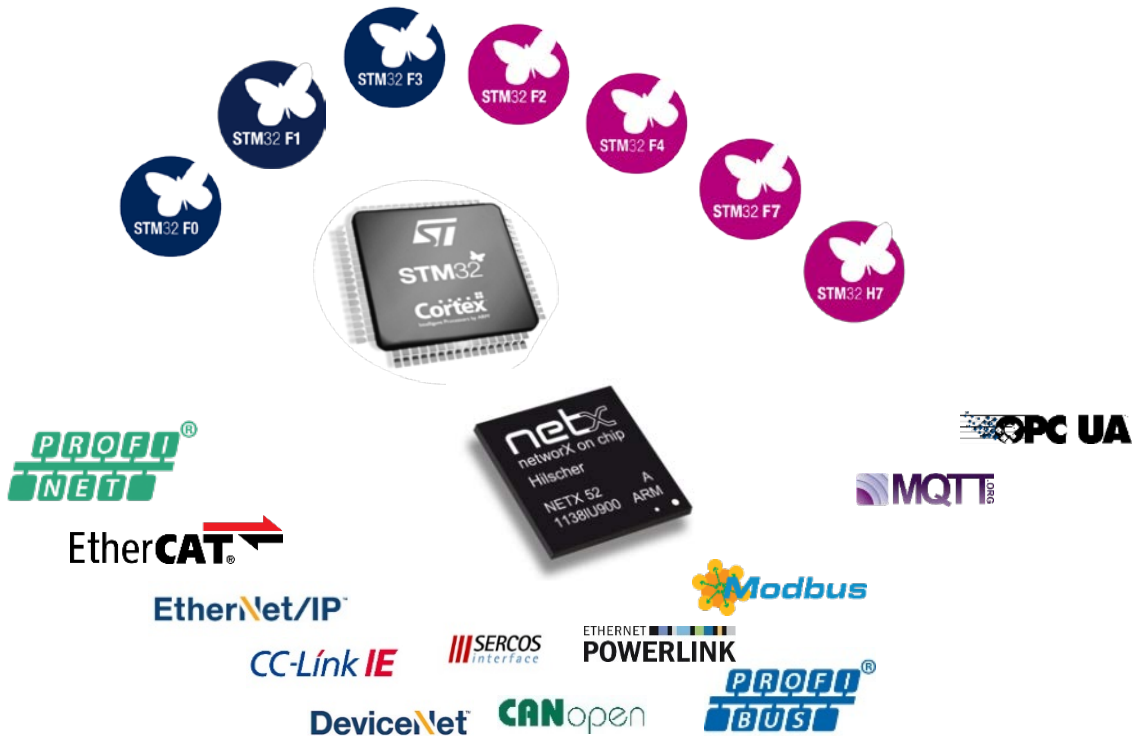
netX connects STM32 to real-time Ethernet

A unique and flexible platform for Industry 4.0

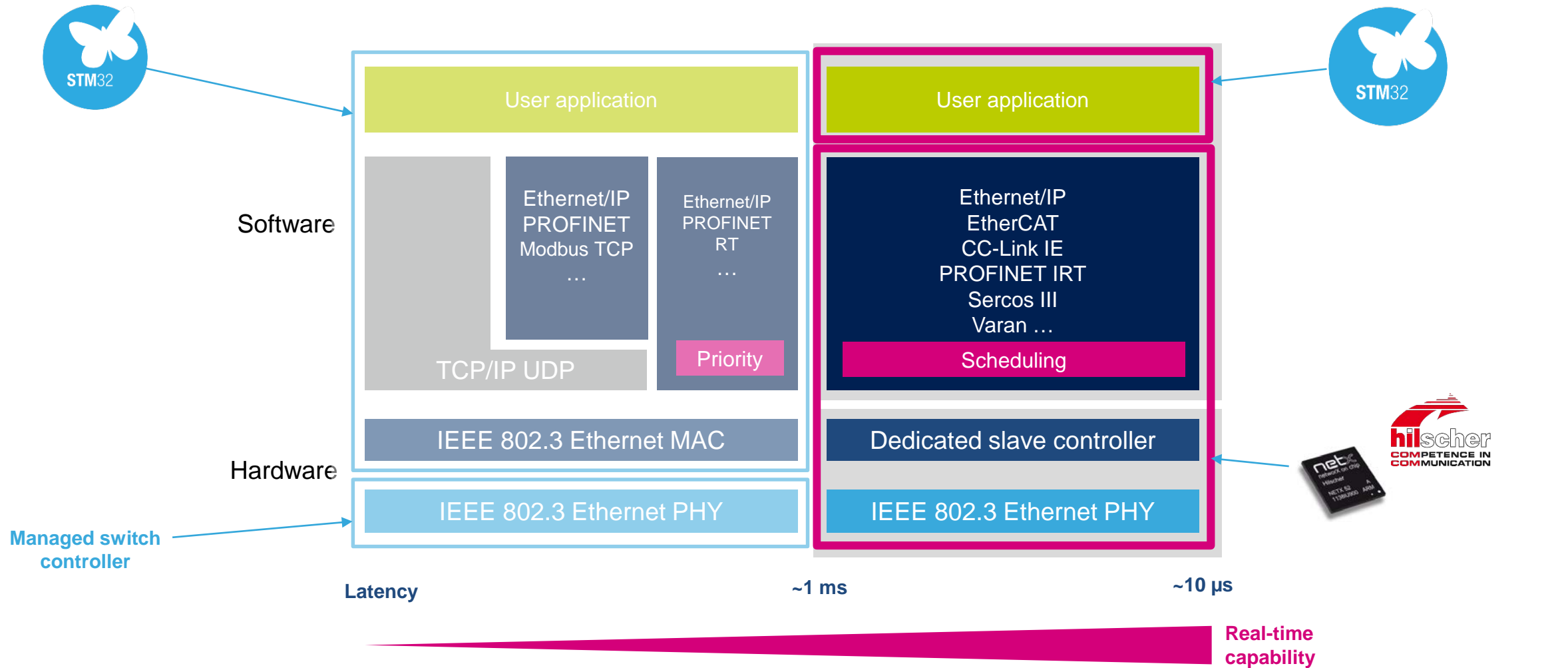
Wide STM32 offer as host controller

All real-time Ethernet slave stacks available

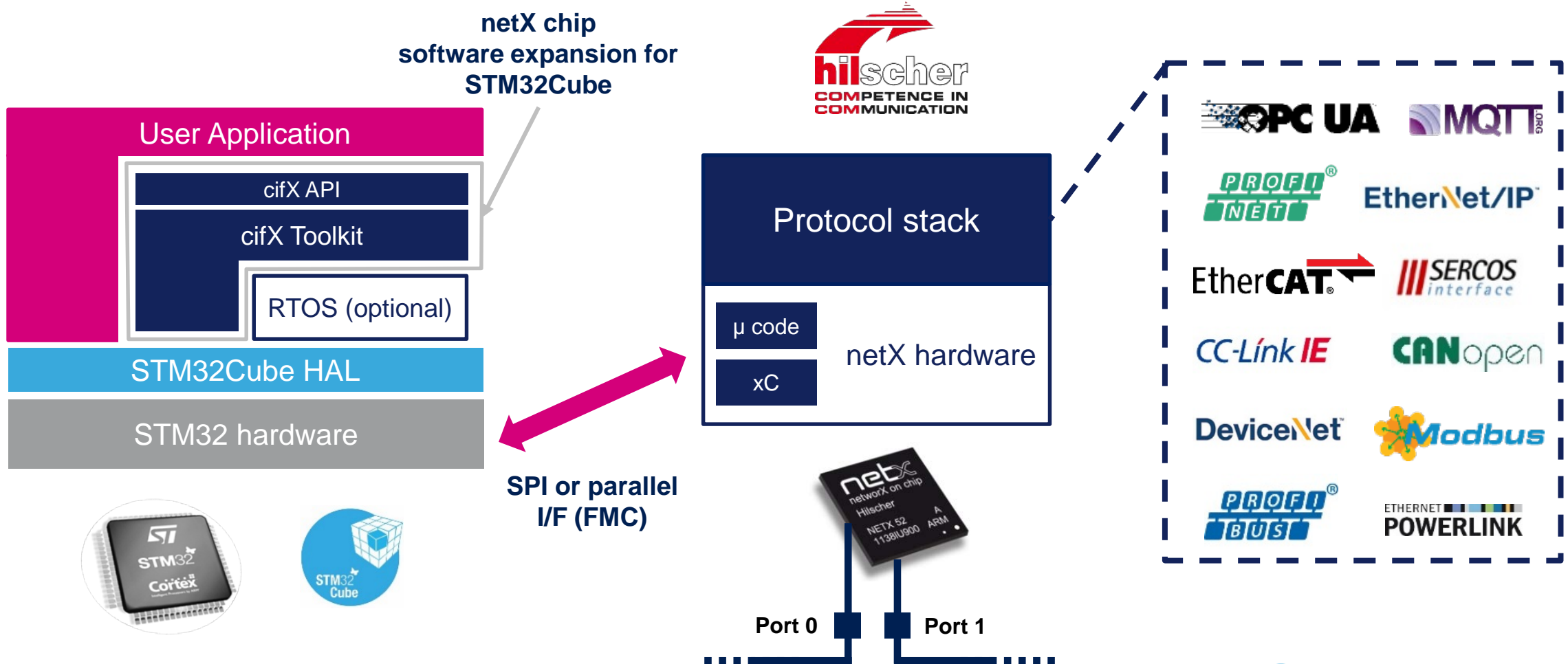
Industrial IoT and Industry 4.0
MQTT and OPC-UA



Targeting shorter cycle times

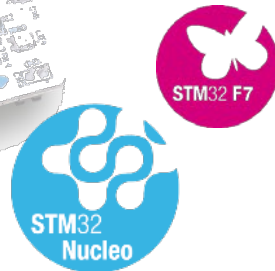
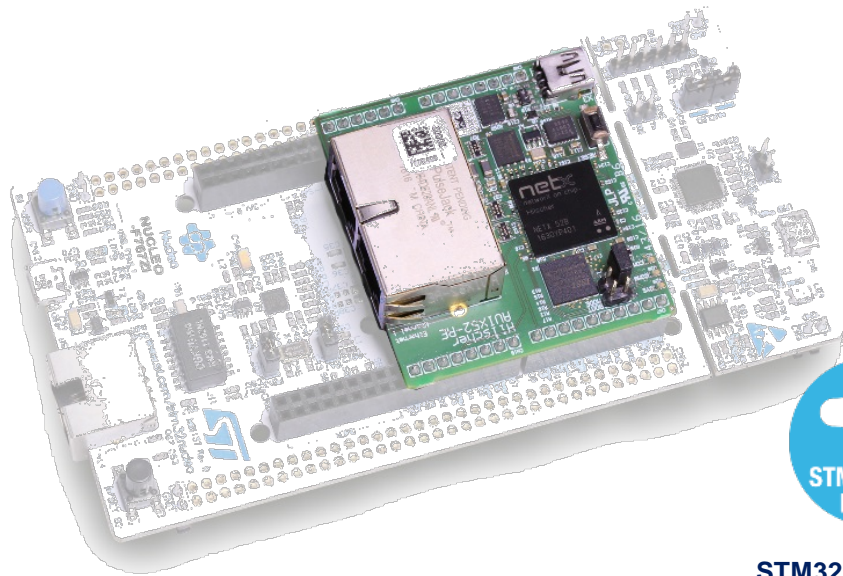


STM32 and netX system structure



STM32 and netX evaluation

NUCLEO-F767ZI + netSHIELD



STM32 Nucleo-144
development board
with STM32F767ZI MCU

Free netX loadable firmware for evaluation
PROFINET, EtherCAT and EtherNet/IP

STM32Cube expansion software
Including Hilscher cifX toolkit and API

netSHIELD available from amazon



www.st.com/i-nucleo-netx

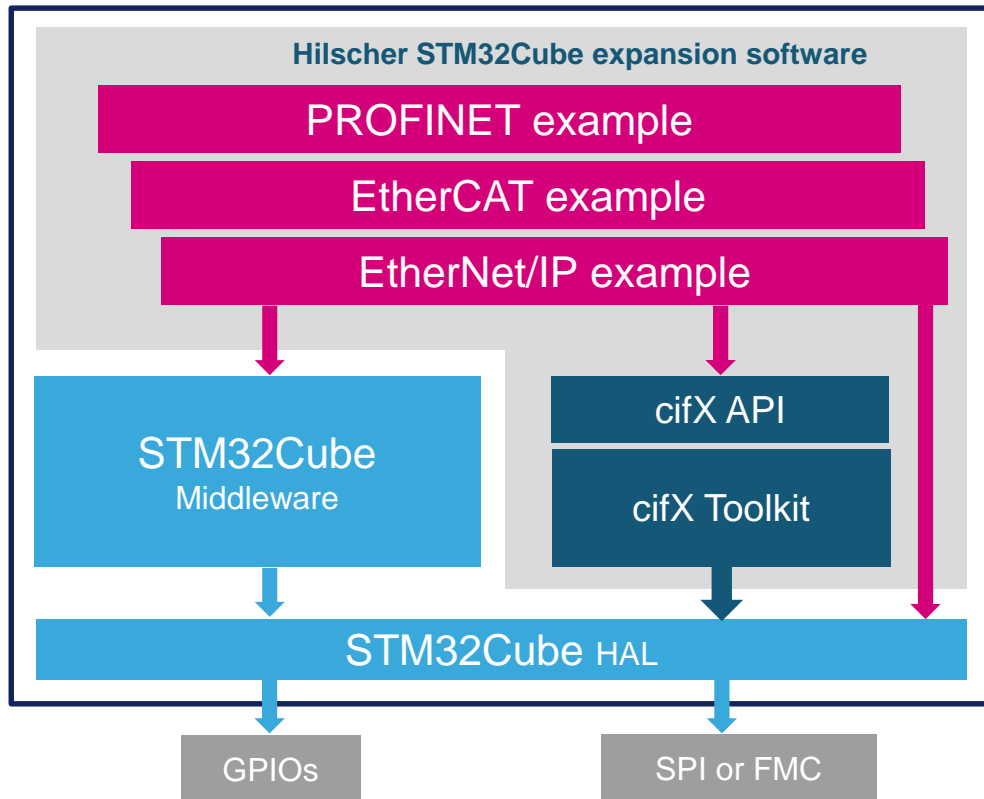


Smart industry



STM32Cube expansion software

Common API for all STM32™ MCUs and all real-time Ethernet protocols



Portability across STM32 series
F0, F1, F2, F3, F4, F7

Common cifX API
Straight-forward migration across communication protocols

3 application examples
PROFINET, EtherCAT and EtherNet/IP

