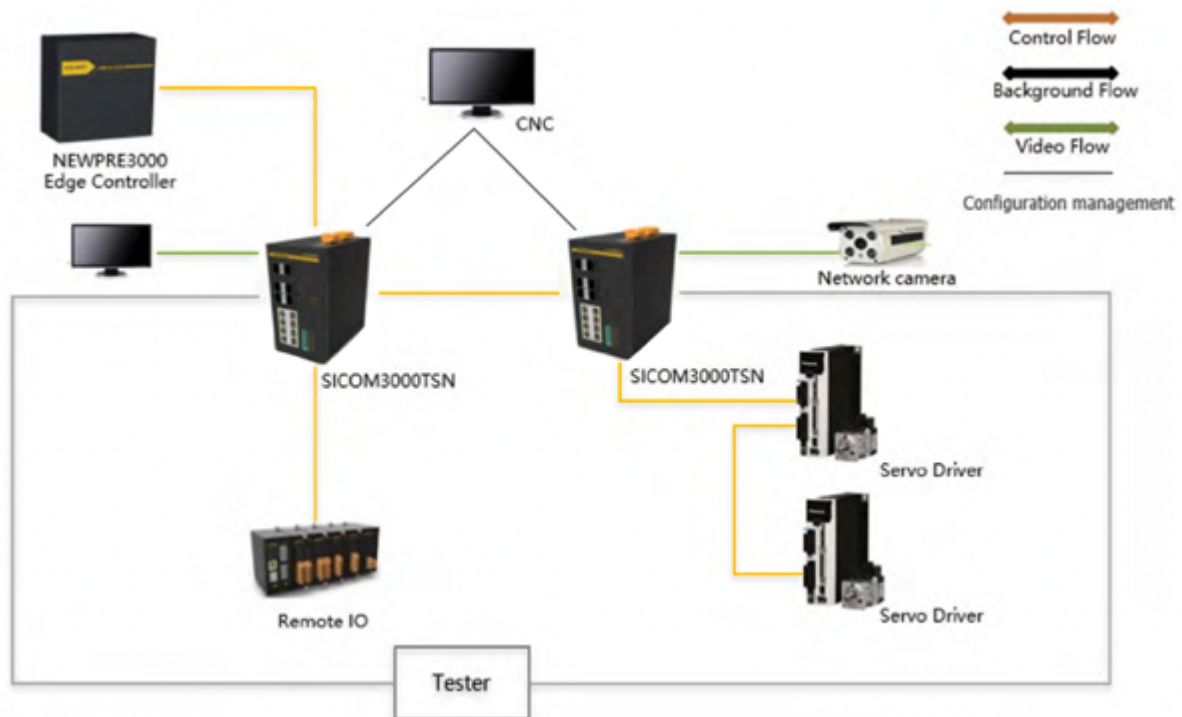


Time Sensitive Networking (TSN)



Time sensitive Networking (TSN) is a set of protocol standards developed by IEEE802.1 TSN task force to build a more reliable Ethernet with low delay and low jitter. The standard defines the time sensitive mechanism of time scheduling and bandwidth reservation to ensure deterministic communication on standard Ethernet, which guarantees the delivery and minimizes jitter for those real-time applications that require determinism.

- Time synchronization: 100ns synchronization accuracy
- Flow control: IEEE 802.1Qbv time-enhanced scheduling, IEEE 802.1Qbu frame preemption
- Redundancy reliability: Supports IEEE 802.1CB frame replication and elimination. DRP, DT-RING; DRP/DHP, STPRSTP/MSTP and other redundancy protocol
- Configuration management: Supports WEB, CLI, and CNC centralized configuration management
- Provides end-to-end solutions for rapid application


Terminal Solutions:

PCIE-TSN

- 4 x 10/100/1000Base-TX copper ports
- PCI Express Slot x1, Standard height baffle
- Complies with PCI EX-Press 2.1 Gen1 standard
- Support TSN standard: IEEE 802.1AS PTP/IEEE 802.1Qbv/IEEE 802.1Qbu/IEEE 802.1Qci/ IEEE 802.1CB
- Time synchronization: IEEE 802.1AS
- System integration: Provide Linux driver software

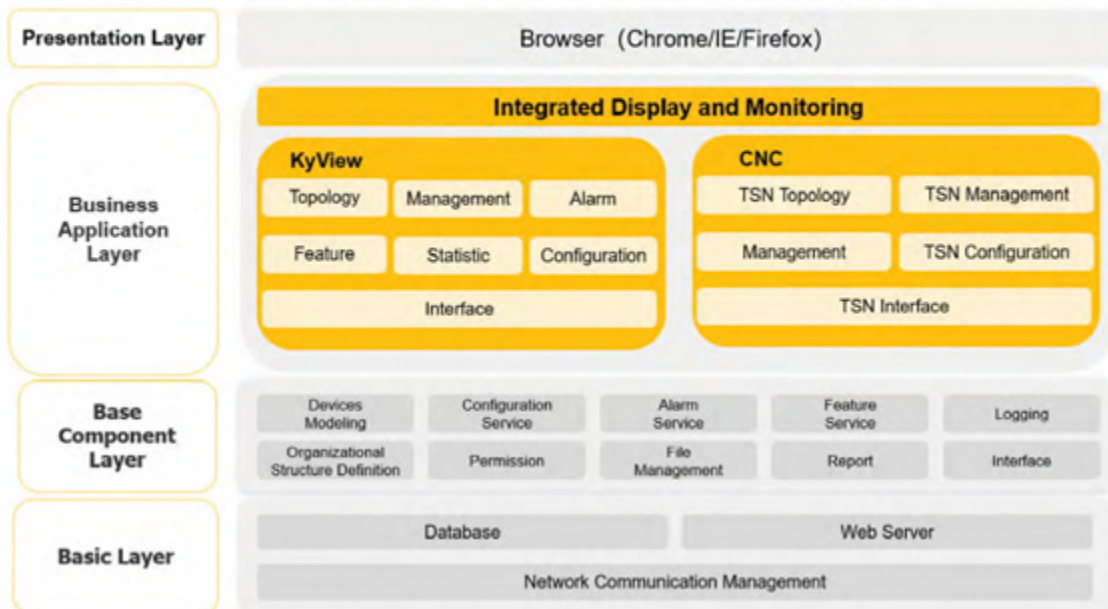


Switch Solutions:

SICOM3000TSN DIN-RAIL TSN Switch	
<ul style="list-style-type: none"> Provide variety of interface, including 10 x Gigabit ports, full Gigabit copper ports and fiber combo ports, automatic detection, full/half duplex, MDI/MDI-X adaptive Support TSN standard: IEEE 802.1AS PTP/IEEE 802.1Qbv/ IEEE 802.1Qbu/ IEEE 802.1Qci/ IEEE 802.1CB Support CNC centralized network configuration Support IEEE 802.3/802.3u/802.3x/802.1D/802.1W/802.1P/802.1Q standard IP40 protection Operation temperature (-40°C ~ 75°C) Complies Industrial level 4 electromagnetic compatibility requirements 	
Aquam8124TSN EN50155 TSN Switch	
<ul style="list-style-type: none"> Support up to 24 x Gigabit copper ports, or 4 x Gigabit copper ports and 20 x 100M copper ports, and support 8 PoE ports Support POE power up to 60W Gigabit ports support X-Coded M12 connector, 100M ports support D-Coded M12 connector Support optional bypass function Support DT-Ring, RSTP/MSTP, DRP Complies EN50155 and EN50121 industry standard requirements 	

CNC Solutions:

KyView Platform Function Architecture Diagram



Product details:

