



KYLAND

AUTBUS

IPv6-based broadband real-time bus

Revolutionary Innovations:

100M over 500m with <10ms latency on any 2-wire cable

Perfect combination of industrial field bus & Ethernet

» Key Features

- **Carrying multi-service data transmission**

It can carry industrial video, machine vision, measurement and control data, control data, industrial big data transmission.

- **High-precision synchronous transmission bus network**

The synchronization accuracy of the network is not less than 100ns, and the minimum granularity of the guaranteed time slice is 1 microsecond.

- **Broadband bus network**

AUTBUS provides 100Mbit/s transmission bandwidth in a pair of twisted pair cables at a transmission distance of 500 meters.

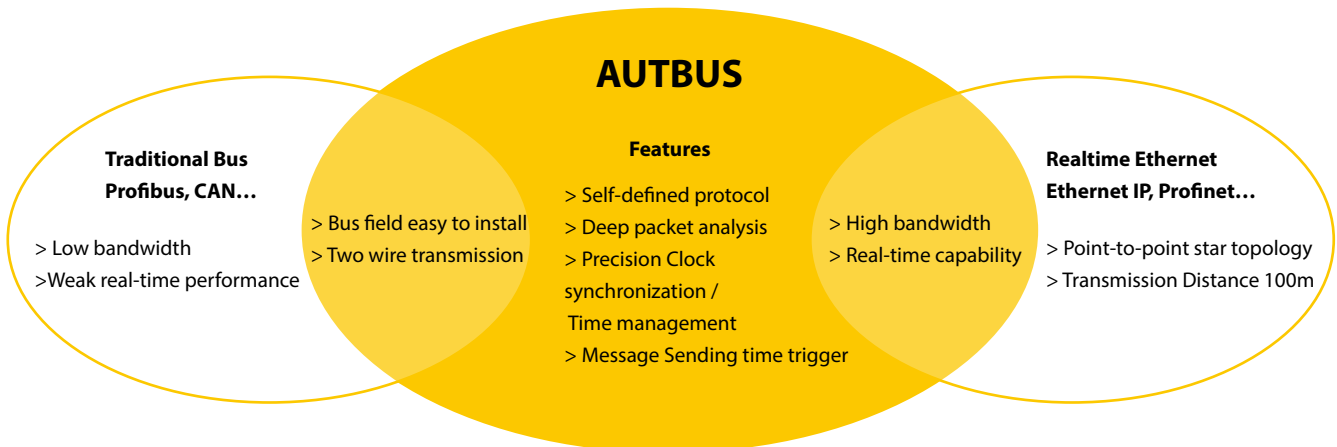
- **Compatible with IPV6 address space**

It provides a rich address pool for all things connected.

- **Redefine the distribution mechanism of time slices**

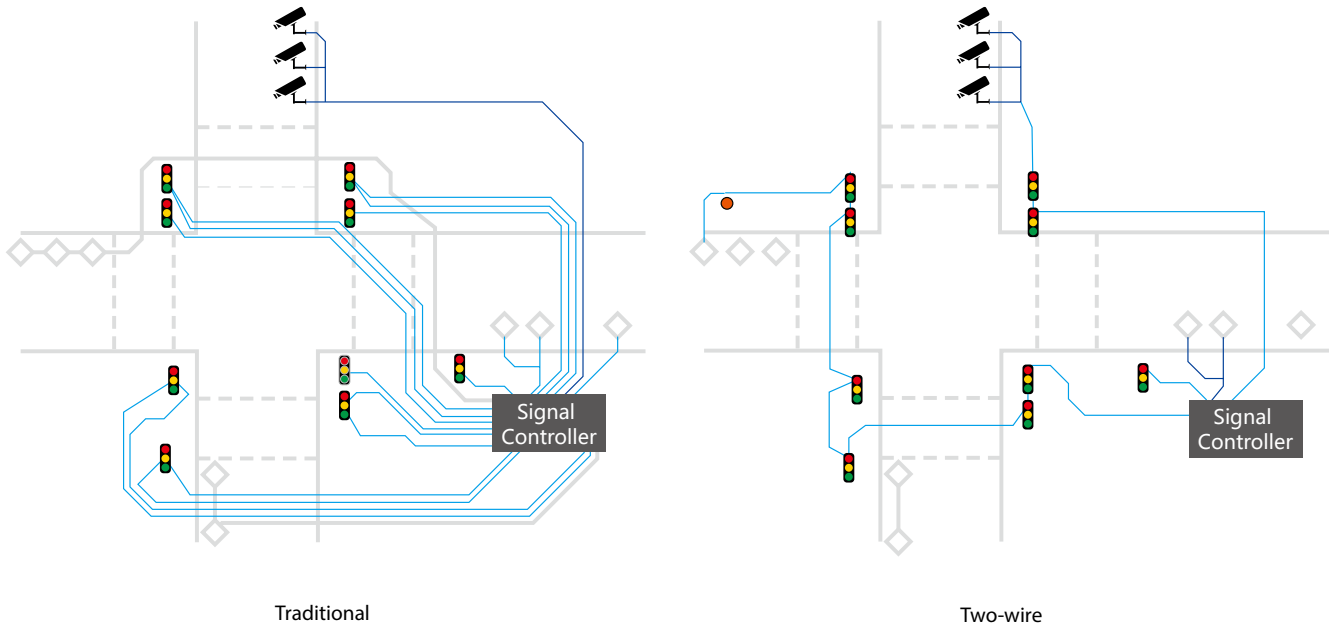
The redefined time slice distribution mechanism guarantees the real-time and certainty of different service transmissions. Message delivery time is less than 10 microseconds.

» Advantages of AUTBUS



» Application in smart traffic

- Signal lights, sensors, video, etc. are integrated through the two-wire module to achieve IP, and the connection and intelligent management of all the intersections are realized through a twisted pair cable.
- Cable length is reduced by more than 60%, construction time is reduced by 25%
- Make full use of the city's existing pipeline settings to ensure the scalability of urban infrastructure

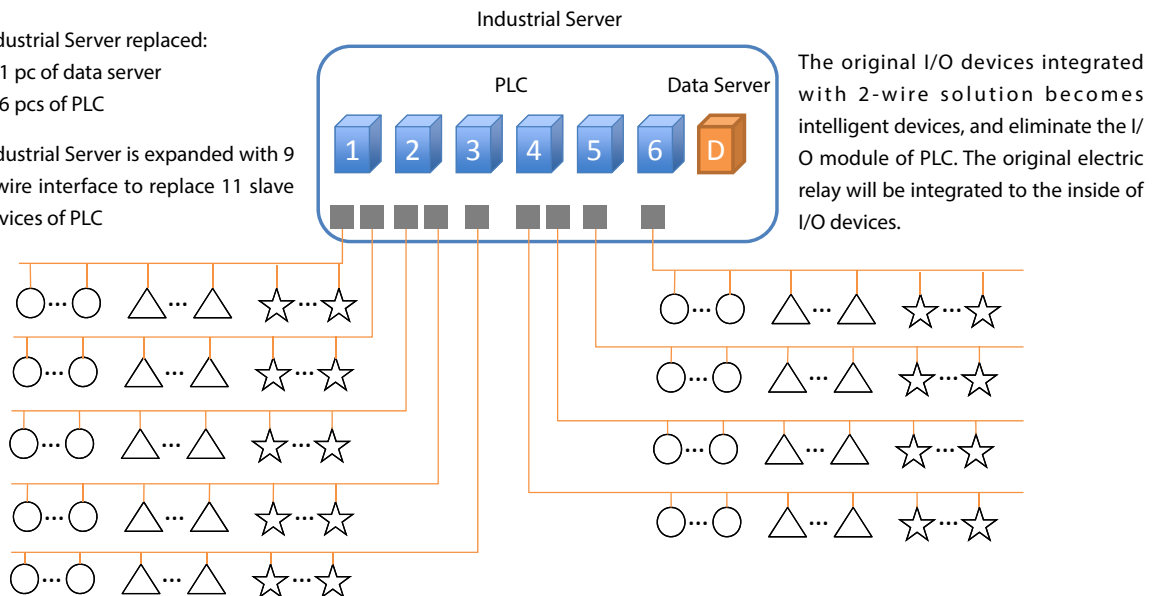


» Application in automation

Industrial Server replaced:

- 1 pc of data server
- 6 pcs of PLC

Industrial Server is expanded with 9 2-wire interface to replace 11 slave devices of PLC



The original I/O devices integrated with 2-wire solution becomes intelligent devices, and eliminate the I/O module of PLC. The original electric relay will be integrated to the inside of I/O devices.

- AUTBUS chips will be integrated to both intelligent I/O devices and industrial server helping realize 2-wire deployment.