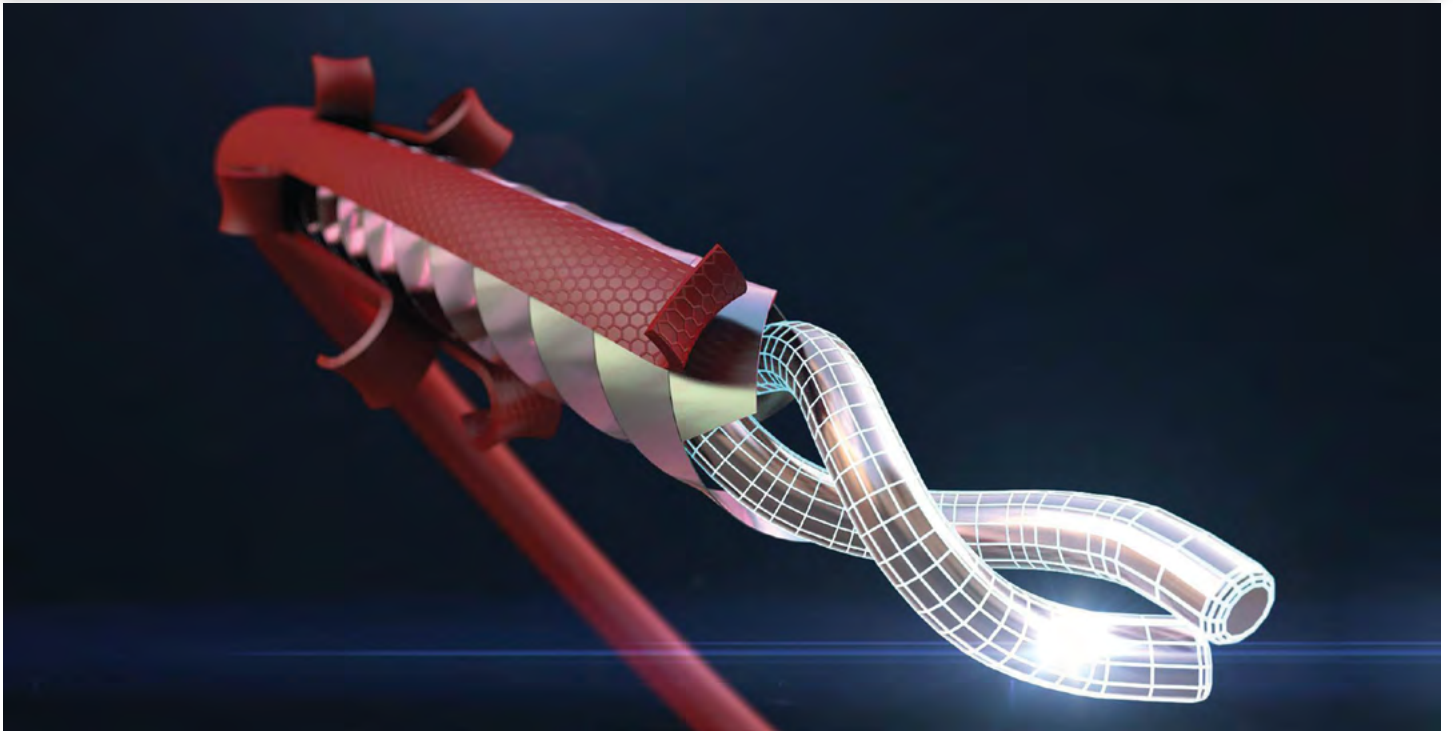# AUTBUS Laser Sensor

Time Sync. Network
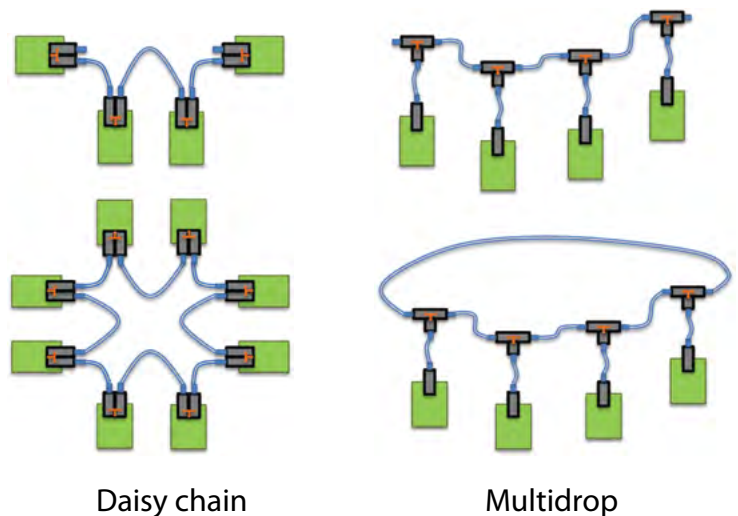## Real Time, Deterministic, More Nodes, Long Distance

AUTBUS is designed for networking edge devices, such as, sensors, actuators, and controllers for cross industries, it can serve both mission critical and non-mission critical task simultaneously.

AUTBUS will be an international standard soon.
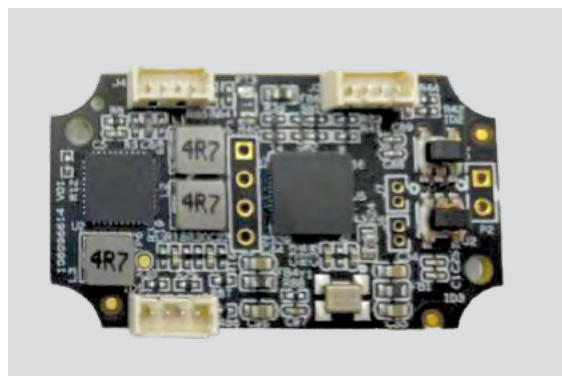- IEC 61158-Type 28
- IEC 61784-CPF22

Features of AUTBUS

- Deterministic: Time sync. based communication mechanism
- High bandwidth: 100Mbps
- Media: twisted pair, polarity-insensitive
- More node: 254
- Long distance: 500m
- Flexible topology: daisy chain and multidrop
- Power over communication wires

Daisy chain   Multidrop

KYLAND

ANY3810 is a compact, single-point ranging laser radar based on the high performance AUTBUS SoC chip KY3001LRS, which provides stable, accurate, high-sensitive distance measurement with high-update rate. It is widely used in intelligent warehouse, parking lot and other management systems for quickly and accurately positioning goods, vehicles, and occupancy status, etc.

ANY3810 ranging laser radar has an AUTBUS port with DC5V power supply.

Product characteristics

AUTBUS
- An AUTBUS port
- 100 Mbps @ 200 m

Power supply
- Voltage range: DC 5 V
- Power: < 0.7 W
- Protection: overvoltage, overcurrent and reverse connection

Environmental conditions
- Operating temperature: -20ºC ~ 60ºC
- Storage temperature: -40ºC ~ 85ºC

Dimension: 50 mm x 32 mm x 30 mm

ANY3810 radar parameters

Parameter name	Parameter value
Measurement range	0.1m~12m
Accuracy	±6cm @ (0.1-6m)
	±1 @ (6m-12m)
Distance unit (default)	cm
Distance resolution	1 cm
Signal receiving angle	2°
Output frequency	1-1,000Hz (adjustable in step of 1000/n, n = 1,2,3,…)

ANY3810 cable definition

Wire Color	Red	Black	Green	White
Description	DC5V	GND	AUTBUS-A	AUTBUS-B

Ordering Information

Model	Description
ANY3810	ANY3810 ranging laser radar has an AUTBUS port with DC5V power supply.

KYLAND