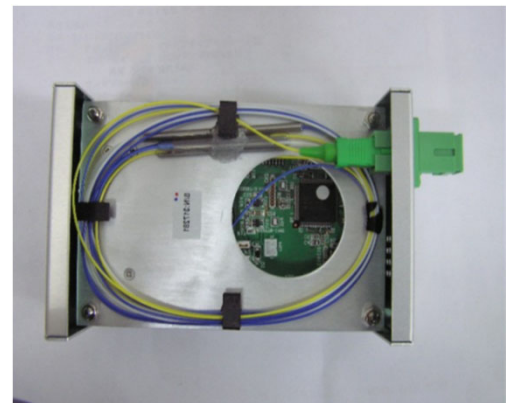


Sensor Network powered by fiber optic

Just connect to normal telecommunication fiber network
Many kinds of sensor can be connected without metal cable

- Utilizing existing fiber network
- No local power supply due to power generation at sensor box by laser transmitted from remote
- Each sensor box drives sensor, processes signal, and sends back digital signal on optical fiber to remote base
- Many kinds of sensor can be connected, such as temperature and humidity, MEMS sensor is welcomed due to low-power consumption



Each sensor box has :

- Laser diode to obtain power
- CPU to process sensor signal
- Sensor connection pin
- Laser to transmit signal back