



FONST 1000 UC

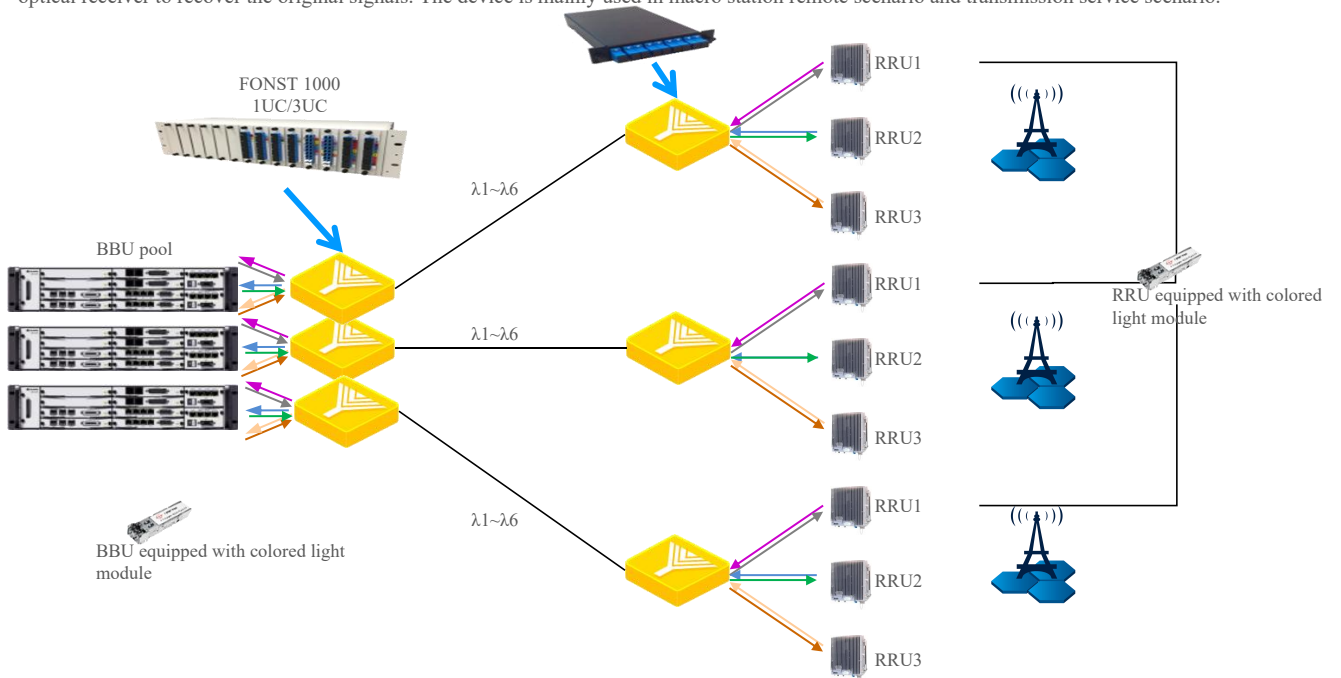
## FONST 1000 UC Passive Wavelength Division

### Product Highlights

- ◆ **Low Cost**
  - Replace the device with colored light module only
  - Add a wave combining and dividing board at both ends of the line
- ◆ **Green and Energy-saving**
  - Passive device, no power consumption
- ◆ **Easy Deployment**
  - Plug and play, easy installation
  - The deployment and construction period is far shorter than that of optical cable
  - The average construction period is no more than one week
- ◆ **Low Delay**
  - The delay is less than 5μs

## Application scenarios

FiberHome FONST 1000 UC series is a passive wavelength division series product which combines a series of optical signals with different wavelengths and carries information into a bundle and transmits along a single optical fiber. At the transmission end, all colored lights are combined by a multiplexer (also known as combiner) and coupled to the same optical fiber of the optical line for transmission. At the receiving end, various optical signals with different wavelengths are divided by a demultiplexer (also called decombiner), and then further processed by an optical receiver to recover the original signals. The device is mainly used in macro station remote scenario and transmission service scenario.



## Product specification

Subframe	FONST 1000 1UC	FONST 1000 3UC
Dimensions (H × W × D)	• 45mm×430mm×200mm	• 147mm×484.5mm×200mm
Weight	• 500g	• 900g
Number of slots	• 3	• 16

Optical module	Wavelength range	Transmission distance	Type
1.25G	• 1271~1611 nm	• 10、20、40、80 km	• SFP、SFP+、XFP
2.5G	• 1271~1611 nm	• 10、20、40、80 km	• SFP、SFP+、XFP
10G	• 1271~1611 nm	• 10、20、40、80 km	• SFP、SFP+、XFP
25G	• 1271~1611 nm	• 10、20、40、80 km	• SFP28、XFP

System unit	Wavelength range
Multiplexer	6-wave (1271-1371)
Demultiplexer	6-wave (1371-1271)
Multiplexer	6-wave (1471-1571)
Demultiplexer	6-wave (1571-1471)
Multiplexer	12-wave (1271-1491)
Demultiplexer	12-wave (1491-1271)
Multiplexer	12-wave (1571-1471, 1371-1271)
Demultiplexer	12-wave (1571-1471, 1371-1271)
Multiplexer	18-wave (1271-1611)
Demultiplexer	18-wave (1611-1271)