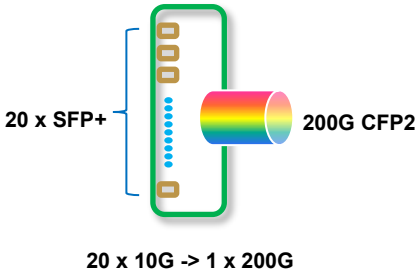
# 20*10G Muxponder: P512

The 20*10G Muxponder service card (P512) launched by Sintai Communication supports mapping the 20x10G optical signal received on the client side to a 1 OTUC2 signal and interconverting the OTUC2 signal with the optical signal of WDM wavelength in compliance with ITU-T standards. The line side adopts pluggable CFP2-DCO to realize ultra-long distance transmission based on advanced technologies such as coherent detection.

## Product view

## Function structure




## Application case

- Suitable for transmission over metropolitan networks and long-distance networks up to 1000 km
- Suitable for high-capacity DCI network transmission for enterprises, campuses, cloud computing, etc.
- Suitable for 200G links in existing OTN/DWDM infrastructures

| 200G Muxponder (P512) | |
|---|---|
| **Function** | Support 20x10G service signals mapping to 1 OTUC2 signal |
| **Slot number** | 2 slots |
| **Line side** | • 2 CFP2 ports: adopts 200G & 400G CFP2-DCO modules, hot-pluggable<br>• Support wavelength adjustable, covering 191.35~196.1 THz.<br>• Support light-emitting power adjustable<br>• Support 100G/200G rate adjustable<br>Support single fiber bidirectional transmission (optional) |
| **Client side** | Support 20 SFP+ modules, hot-pluggable |
| **OTN function** | • Frame format and overhead handling using ITU-T G709 recommendations<br>• ODUk (k=2, 2e, 4, C2) layer: support PM and other functions<br>• OTUk (k=2, 2e, 4, C2) layer: support SM functions |
| **Support service types** | 10GE, STM-64, 10GE_WAN, FC800, FC1600, OTU2, OTU2e |
| **Time delay measurement** | Support line-side online delay measurement based on ODU layer |
| **Loop back** | Support line side and client side loopbacks |
| **LLDP** | 10GE service support |
| **ALS** | Client side support when accessing non-OTN services |
| **Performance monitoring and alarm monitoring** | • Support OTN performance monitoring and alarm monitoring<br>• Support temperature, current and power monitoring of optical module<br>• Support Ethernet RMON monitoring<br>• Support Telemetry |