

11. Technical Specification for Fiber Media Converter (dual port)

SN	Minimum Technical Specification		Bidders Response (Fully/Partially Compliance)
1	Brand (Should be mentioned by bidder)	
2	Model (Should be mentioned by bidder)	
3	Interfaces	2* 10/100/1000Base-T RJ45 port (Data) 1*1000M uplink SC/LC fiber port (Data)	
4	Ethernet Port	10/100/1000Base-T, auto-sensing, Full/half duplex MDI/MDI-X self-adaption	
5	Transmission Distance	20km	
6	Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)	
7	Fiber Description	1.25Gbps, dual-mode	

		single fiber SC interface.Support singlemode 9/125u	
8	Fiber Bandwidth	1.25G or higher	
9	Wavelength	1310/1550nm or better	
10	Network Bandwidth	1000MHz or better	
11	Ethernet Specifications	Bandwidth: 1.6Gbps (non-blocking) Network Latency (100 to 100M bps): the maximum delay less than 20 microseconds Packet Buffer Memory: 96KB Address Database Size: 1,000 MTBF: 100,000 hours	
12	Network Media	10base-T/100base-TX/1000Base-T/1000Base-L/ SX fiber media transmission	
13	Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX , IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X, IEEE802.3x	
14	Optical Cable/ Distance	 dual mode: 1310nm / 0 ~ 40km, 1550nm 0 ~ 120km	
15	Fowarding Mode	Store and Forward(Full Wire Speed)	
16	Switching Capacity	2.0Gbps or higher	

17	Forwarding Rate@64byte	3.0Mpps or higher	
18	MAC	2K or higher	
19	Buffer Memory	512Kbps or higher	
20	Jumbo Frame	1632byte or higher	
21	Lightning protection / protection level	Lightning protection: 4KV 8/20us, Protection level: IP30 or higher	
22	Safety	CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS or higher	