

Main Specifications of JGN2 Connecting Equipment

(1) Details on Ethernet/IP connection services*

Table Appendix 6-1: Ethernet/IP Connection Service

Item	Description
Available interface	10BASE-T/100BASE-TX/1000BASE-T **
Physical interface	RJ-45 connector **
VLAN-ID	Determined by NICT within the range of 1 to 4,094.

* The band is not guaranteed.

** For optical connections other than the above such as 1000BASE-SX/LX, consult NICT for each experiment.

(2) Main specifications of the connection equipment

Table Appendix 6-2: Connection Equipment Type A (CentreCOM 9812T)

Physical Interface Speed (bps)	Standard	Connection Condition
10Mbps max.	IEEE802.3 10BASE-T	RJ-45 connector
100Mbps max.	IEEE802.3u 100BASE-TX	RJ-45 connector
1000Mbps max.	IEEE802.3ab 1000BASE-T	RJ-45 connector
1000Mbps max.	IEEE802.3z 1000BASE-SX/LX	SC connector/GBIC

Table Appendix 6-3: Connection Equipment Type B (GS4000-○○E)*

Physical Interface Speed (bps)	Standard	Connection Condition
10Mbps max.	IEEE802.3 10BASE-T	RJ-45 connector
100Mbps max.	IEEE802.3u 100BASE-TX	RJ-45 connector
1000Mbps max.	IEEE802.3ab 1000BASE-T	RJ-45 connector
1000Mbps max.	IEEE802.3z 1000BASE-SX/LX	SC connector/GBIC

(Note)*: ○○ is 80E or 160E depending on the access point.

Table Appendix 6-4: Connection Equipment Type C (Catalyst6509)

Physical Interface Speed (bps)	Standard	Connection Condition
10Mbps max.	IEEE802.3 10BASE-T	RJ-45 connector
100Mbps max.	IEEE802.3u 100BASE-TX	RJ-45 connector
1000Mbps max.	IEEE802.3ab 1000BASE-T	RJ-45 connector
1000Mbps max.	IEEE802.3z 1000BASE-SX/LX	SC connector/GBIC

(3) OXC service

- a. Input signal (optical condition): IEEE GbE LX compliant
- b. Frame configuration and mapping method: IEEE802.3z compliant
- c. Applicable connector: IEC 61754-4, IEC 61754-6 or IEC 61754-20 optical fiber connector
- d. Applicable optical fiber: ITU-T recommendation G652 compliant single mode optical fiber cable (hereinafter referred to as “SM type optical fiber cable”)

Or

ITU-T recommendation G653 compliant dispersion shift fiber type single mode optical fiber cable (hereinafter referred to as “Dispersion shift SM type optical fiber cable”)

Or

ITU-T recommendation G651 compliant multi-mode optical fiber cable (hereinafter referred to as “MM type optical fiber cable”)

(4) 10Gbps connection service

- a. 10 Gigabit Ethernet (LAN PHY)
- b. 10 Gigabit Ethernet (WAN PHY)
- c. Applicable connector: JIS C 5973 (F04 type single core optical fiber connector)

(5) Optical test bed service

[Optical network system A]

- a. Connector: JIS C 5973 (F04 type single core optical fiber connector) (Patch panel connection connector)
- b. Fiber core type: ITU-T recommendation G652 SM type optical fiber cable

And

ITU-T recommendation G655 compliant NZ-DS type optical fiber cable

[Optical network system B]

- a. Connector: JIS C 5973 (F04 type single core optical fiber connector) (Patch panel connection connector)
- b. Fiber core type: ITU-T recommendation G652 SM type optical fiber cable (2 cores)