

PERSONAL WORKSTATION X680x0
Home page of Project Ethernet Lan Board *Neptune-X*

For parts

Local struggling with something. (^ ^;

I was easily aligned *Neptune-X* of the first piece because I asked a friend who lives in the Kanto region the procurement of parts, parts procurement Mamanarazu second sheet. The death. (X_x

- ***Neptune-X* Parts List** (version 0.4 + fix circuit diagram # 1)

LAN Card	NE-2000 clone for AT compatible machine	Quantity	※ 1	※ 2
TTL IC	74 AS 00 (Quad 2 Input NAND)			
	74 ALS 04 (Hex Inverters)	× 1	×	?
	74 LS 06 (Hex OC Inverters)	× 1	×	○
	74 ALS 08 (Quad 2 Input AND)	× 1	○	○
	74 AS 27 (Triple 3 Input NOR)	× 1	×	○
	74 ALS 30 (8 Input NAND)	× 1	×	?
	74 ALS 138 (3 to 8 Demultiplexer)	× 1	×	○
	74 LS 243 (Quad 3-State Bus Transceivers)	× 1	×	○
	74 LS 245 (Octal 3-State Bus Transceivers)	× 1	○	○
		× 2	○	○
	(Can be substituted by AS 245) 74 ALS 245	× 2	×	○
Resistance	4.7KΩ resistance element set 4.7KΩ8 2.2KΩ	× 1	○	○
		× 6	○	○
		× 1	○	○
Capacitor	Multilayer ceramic capacitors 10μF aluminum electrolytic capacitor 0.1μF	Two or more suitably	○	○
		suitably about 12	○	○
Other	Universal board for pin configuration X68000 Occupied address pin configuration pin interrupt vector interrupt level setting (Sunhayato MCC-169) ISA bus female connector (JIAN98ST1) Wires for wiring the fixed substrate ISA bus connector (such as wrapping wire)	Qs qs qs suitably one piece qs	△	△
			△	△
			△	△
			×	×
			×	○
			△	△
			○	○

- ※ Available in the parts shop in Oita 1 =. (As of December 1998)
 ※ Available in the parts shop in Fukuoka 2 =. (As of November 1999)
 △ = those available in alternate parts. × = not allowed except for mail order. ?
 = Under investigation

- Although ISA connector board and the universal, which is referred to as difficult to obtain, or is in the universal substrate (Closed on Sundays and public holidays TEL.03-3251-1552 FAX.03-3255-8040) Wireless Electric Kadota Department of Radio Tokyo 3F was. I also allow local shipping. Please try to inquire. ISA connector is available in the e-mail order Kyoritsu. But I had my hand over the case of the motherboard of junk from people with a long history of DOS / V. It might be nice to try to ask the people around (and free), so we get the equal LS245 · F245 · 30-pin SIMM socket jumper post in addition to the ISA connector together.

- Although 74AS series in TTL may be perhaps the most difficult to obtain, [SATO electricity](#) was on. Could also probably mail order is unconfirmed.

- **LAN cards can be used** (07 Sep 1998)

Product name	Manufacturer	Chipset	Setting method	Operation check
New GE2000 III -2	KYE Systems Corp.	RTL8019 equivalent	PnP / Jumper	○
LANEED LD-PNPD / T	ELECOM	RTL8019	PnP / DIP-SW	○
LANEED LD-NE20 (?)	ELECOM	UM7009 (?)	PnP / Jumper	Unknown

- Although LAN card, two products (LD-NE20??) Seems to have in a type that can be set jumper type that can be set with the DIP-SW from Elecom (LD-PNPD / T). Who set the DIP-SW is RTL8019, who the jumper settings equivalent UM7009 chips were listed. I think I have not tested yet better (?) LD-NE20, because it does not require the AT compatible machine to configure the card, so this is a good thing if you do not use. Tell the LD-PNPD / T is [Shade](#) I received confirmation of this behavior from Mr.. Thank you very much.