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Factory computer

FC98-NX series
FC-R24W
FC-R16W
FC-S36W
FC-S37K
FC-D28U
FC-E20W
FC-E22K
FC-E29U
FC-E23W
FC-E27B
FC-E22U
FC-P34W
FC-P36K
FC-P31X
FC-A22K
FC-A29X
Old product information (main unit)
Peripheral device list
Supply / maintenance period
Maintenance service
Consideration for the environment
The non-judgment
Security support
Shield PRO series
Panel computer
FC IoT solution
Latest information list
Download (catalog)

FC User Lounge

FC-9821Ke Series

* This product is not currently on sale. (Discontinued on the end of December 2000)

inquiry

specification Installation environment conditions Latest information

Expansion slot 6 slots standard equipment. Embedded factory computer that freely meets the needs of the field with excellent expandability and cost performance



Shipment start time: September 1995
Supply end time: End of December 2000
Maintenance end time: End of December 2006

* Display unit is optional.

Catalog (2,548KB)

specification

item item		specification
CPU	CPU standard	Built-in 486DX2 (66MHz) cache memory 8KB, with 486 (16MHz) equivalent mode
	Overdrive processor (sold separately)	Equivalent to DX4 (100MHz)
memory	ROM	96KB [BIOS, N88-BASIC (86)], 24KB (system setup menu)
	RAM	Installed memory: 2MB (user's memory 1.6MB) * 1 (512KB to 640KB space can be separated by DIP switch) Can be expanded up to 64MB by adding two additional RAM sub-boards (32MB)
	VRAM	12KB for text, 1MB for graphics
Display function	Text display	80 characters x 25 lines / 20 lines Reverse, blink, secret, 8 colors (can be specified for each character)
	Graphic display	8 colors specified 640 x 400 dots 2 screens monochrome specified 640 x 400 dots 8 screens 4069 colors can be displayed 640 x 400 dots 2 screens (exclusively displayed on 1 screen)
	Extended graphic display	256 colors specified 640 x 400 dots 2 screens * 2 640 x 480 dots 1 screen * 2 (Can be used exclusively of the standard graphics display) 256 colors out of 16.77 million colors can be displayed
	Window accelerator	Built in the main body
	Resolution (display color)	640 x 400 dots (256 colors out of 260,000 colors, 16.77 million colors) 640 x 480 dots (256 colors out of 260,000 colors, 16.77 million colors) 1024 x 768 dots (256 colors out of 260,000 colors)

Japanese → English

		the main body with a curl cable), dustproof cover attached, external dimensions: 439 (W) x 183 (D) x 40 (H) mm
Auxiliary storage –	**Floppy disk**	Option (FC-9801-FD4R), 3.5 inch FDD (3 mode compatible) x 1 drive can be added, 1MB floppy disk interface built-in
	Fixed disk	One optional fixed disk can be built into the HD adapter * 3
	RAM file	Option (FC-9801F-RF1K / RF2), up to 2 expansion slots can be added, or ROM file (FC-9821KE-FR1) expansion part can be expanded RAM file (FC-9821KE-RF), software Can be handled in the same way as a 1MB type floppy disk at the level, with a battery pack * 4
	ROM file	Optional (FC-9821KE-FR1 / FR2), up to 2 units can be built in a dedicated slot, and can be handled in the same way as a 1MB type floppy disk at the software level (write using the dedicated program attached to the) main unit) * 4
Interface | –	**mouse**	Built-in, for bus mouse connection
	Printer	Parallel interface (connector: half pitch 36 pins) * 5
	Serial	Built-in 1ch, compliant with RS-232C standard (up to 19,200bps), 1ch expansion possible by mounting RS-232C expansion interface board (FC-9801K-01 / 9,600bps) in a dedicated slot (exclusive to PC model number) , Connector: D-sub 25 pin
	display	Optional digital RGB display connection adapter (FC-9816) is required when connecting to analog RGB or digital RGB displays.
Expansion slot		6 slots
Body mounting bracket		Optional (FC-9821KE-E04), metal fittings for fixing the main body to a wall, etc.
Dustproof measures		Simple dust filter set (FC-9821KE-E03) can be connected, cooling fan (FC-9821KE-E05) is required
Calendar clock		Battery backup (no replacement required)
Sound function		Beep (volume can be set by system setup menu)
RAS function		Option (FC-9801-06K, FC-9821KE-E06), power failure detection function * 6, memory parity check function * 7 * 8, watchdog timer function, temperature rise detection function, fan stop detection function, external alarm input function, Remote reset function * 8, Digital input / output function * 9
External dimensions		345 (W) x 200 (D) x 250 (H) mm
power consumption		25W (maximum 114W)
mass		7.1kg

* 1: 1: The standard installed memory capacity will be changed from the product produced in September 1999 (2MB → 4MB).
* 2: 2: Supported only in the environment of Japanese MS-DOS (Ver5.0A) and upgrade disk attached to the main unit, or MS-DOS (R) 6.2
* 3: 3: HD adapter (FC-9821KE-E01) required
* Four:Exclusive use of FC-9801F-RF1K and FC-9821KE-FR1
* Five: A flinter interface conversion adapter (PC-9821-K02) is required when using a printer cable for D-sub 14-pin interface.
* 6: 6: The simple RAS board (FC-9821KE-E06) has no external output.
* 7: Parity check is not possible with the built-in memory of the main unit, and memory parity can be checked with the attached MS-DOS driver on the additional RAM sub-board.
* 8: Not supported by Simple RAS (FC-9821KE-E06)
* 9: Exclusive use of FC-9801-06K and FC-9821KE-E06

Return to top of page

Installation environment conditions

It may cause a malfunction in the FA environment, so it is necessary to give due consideration to the following installation environment conditions.

* When installing the simple dust filter set (FC-9821KE-E03), an air cooling fan (FC-9821KE-E05) is required.

Japanese → English

	(0 to 50 ° C) * 3 (0 to 45 ° C) * 4	(5 to 45 ° C) * 3 (5 to 40 ° C) * 4
Storage temperature * 5	-20 to 65 ° C	-20 to 60 ° C
Operating humidity (non-condensation)	20-90%	20-80%
Storage humidity (non-condensation)	20-90%	20-80%
Floating dust	Not particularly terrible	
Corrosive gas	Not	
Seismic resistance (16.7Hz XYZ 30 minutes each)	1.6G	0.5G
Impact resistance (XYZ 3 times in each direction)	10G	10G (with built-in FDD) 2G (with built-in HDD)
Power-supply voltage	AC100V / 110V + 10%, -15% (AC85-121V)	
Power frequency	50 / 60Hz ± 1Hz	
Power supply noise	1KV PP 50ns ~ 1us pulse	
Insulation resistance value	20M ohm (DC500V)	
Dielectric strength	AC1.5KV 1 minute minute	
Leakage current	1mA or less	
Instant power outage	30ms or less	
ground	Class D (formerly Class 3)	

* 1: 1: The ambient temperature of the optional TFT color LCD unit is 0 to 40 ° C.

* 2: 2: It is an installation environment condition only for the FC-9821Ke main unit.

* 3: 3: When the air cooling fan is installed.

* Four:When the air cooling fan and simple dust filter set are installed.

* Five: The storage temperature of the optional TFT color LCD unit is -20 to 60 ° C.
The storage temperature of the optional keyboard (FC-9801-KB8) is -20 to 50 ° C.

Return to top of page

Latest information

This product comes with MS-DOS (R) 5.0A.

The FC-9821Ke main unit will be supplied for 5 years after its release. The minimum retention period for repair performance parts for the FC-9821Ke main unit is 6 years after production is discontinued.

Please check with each manufacturer for the operation check of various expansion devices / OS / application software.

This product (including software) is sold only in Japan, and we do not provide overseas maintenance services or technical support.

inquiry

Return to top of page

Japanese → English

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