

Item		NSA12-TX1 NSA15-TX1	NSA12-TX01 NSA15-TX01
OS		CF with Windows XP embedded ^{*1}	Preinstalled Windows XP embedded
Processor		600 MHz Intel Celeron-M Processor	1.3 GHz Intel Celeron-M Processor
Storage device	Type	Industrial CF memory or HDD ^{*1}	Disk-On-Module (Flash memory)
	Capacity	CF: 2/4/8 GB (with OS) IDE I/F ^{*1} HDD: 80GB (without OS) SATA I/F ^{*1}	2 GB
	Service life (write cycles)	CF: 100,000 write cycle/block HDD: 2 years at 24 hours/day operation, 3 years at 8 hours/day operation	NAND flash memory: 100,000 write cycles (to the same block) ^{*2}
Memory	Main memory	TX11: 256 MB DDR-SDRAM (non-ECC) TX12: 512 MB DDR-SDRAM (non-ECC)	512 MB DDR-SDRAM (non-ECC)
	Cache memory	512 KB Level 2 cache memory (built into the CPU)	
Interface	Keyboard	-	PS/2 keyboard with 6-pin MINI DIN connector
	Mouse	-	PS/2 mouse with MINI DIN connector
	Serial ports	2 ports conforming to EIA RS-232C for 9-pin D-SUB male connectors	
	Ethernet	2 x 10 BASE-T/100 BASE-TX RJ45 connector	10 BASE-T/100 BASE-TX port for an RJ45 connector
	USB ports	4 x USB 2.0/1.1 for type-A connectors. (2 on front panel, cable 3 m max.)	2 x USB 2.0/1.1 for type-A connectors
	Memory Card	1 CF Card slot	
Expansion slots		PCI expansion bus, 1 slot	PCI expansion bus, 2 slots
Special RAS board	External input port	3-pin connector port for the UPS power interruption signal	
	Status LED indicators	4 (RUN/BATLOW/ERR/DIAG)	
RAS functions	Special RAS board functions	Alive connection monitoring, device restart, timer start, startup and shutdown monitoring, backlight lit time measurement, UPS power interrupt signal output, and logging functions	
	Motherboard RAS functions	Standard PC RAS info, post error logging, post error retry, CMOS data recovery	
POWER LED indicator		Yes (green)	
Service life ^{*3}		50,000 hours at 40°C	
Battery life	Main board	5 years at 25°C (NSA-BAT03)	5 years at 25°C (NSA-BAT01)
	RAS board	5 years at 25°C (NSA-BAT03)	5 years at 25°C (NSA-BAT01)

^{*1} Sold separately

^{*2} Calculate condition

Free area: 500 MB (*excluding OS & Application)

Overwrite data size/time: 0.5 MB/time

Overwrite times/day: 10,000 times/day

MTBF: $(500 \text{ MB} * 100,000 \text{ times}) / (0.5 \text{ MB} * 10,000 \text{ times/day}) = 10,000 \text{ days} = 27 \text{ years}$

^{*3} The service life is a guideline that is provided strictly for reference. It varies with factors such as the installation location and operating conditions.

Type		Order Code
Industrial PC	12 inches, 1.3 GHz, 512 MB internal, 2 GB storage, black	NSA12-TX01B-E
	12 inches, 1.3 GHz, 512 MB internal, 2 GB storage, silver	NSA12-TX01S-E
	15 inches, 1.3 GHz, 512 MB internal, 2 GB storage, black	NSA15-TX01B-E
	15 inches, 1.3 GHz, 512 MB internal, 2 GB storage, silver	NSA15-TX01S-E
Industrial PC (attachable panel option)	1.3 GHz, RAM: 512 MB, DOM: 2 GB	NSA-CPU01-E
	1.3 GHz, RAM: 512 MB, DOM: 4 GB	NSA-CPU02-E
	1.3 GHz, RAM: 1 GB, DOM: 2 GB	NSA-CPU03-E
	1.3 GHz, RAM: 1 GB, DOM: 4 GB	NSA-CPU04-E
Touchscreen panel	15 inches, black	NSA-TX151B
	15 inches, silver	NSA-TX151S
	17 inches, black	NSA-TY171B
	17 inches, silver	NSA-TY171S

Accessories

Type	Order Code
DVI & USB cable 0.1 m	NSA-DU02
DVI & USB cable 2 m	NSA-DU22
DVI & USB cable 5 m	NSA-DU52
Set of 5 Anti-reflection sheets for 15 inches	NS15-KBA04

