

INAT-X5 / -X7

Upgrade in a Flash!



**X5 / X7 CPU:
Change your S5
into S7**

While Siemens is phasing out its S5 product line, your investment in S5 PLC technology is secure with replacement X5 / X7 CPU's from INAT.

The X5 is a powerful sophisticated processing unit, with an integrated Ethernet controller that can replace your old existing CPU's in the Siemens S5-115U and 135 / 155U PLC's.

When the time comes to standardize on a modern S7 PLC technology platform, you can upgrade your S5 PLC to an S7 PLC in a Flash. Simply change the Flash Card in your X5 powered S5 PLC and your CPU becomes an X7 CPU with the power of 416 CPU from Siemens.

What is X5 / X7?

- X5 / X7 CPU's are sophisticated processing units that can be used in the Siemens S5-115U, 135/155U and S5-150U.
- The software based X5 and X7 CPU's have the same hardware. They only differ in the PLC CPU software (S5 resp. S7).

X5: configured as and compatible with
CPU 945 (941, 942, 943, 944)
CPU 948 (946/947, 928)

X7: configured as and compatible with
CPU 416

Special Features

- Can be programmed with STEP 7 (X5 with either Siemens STEP 5 or STEP 7) providing maximum flexibility when developing project strategies: Programming is possible via serial interface or Ethernet
- Integrated Ethernet controller: no Ethernet CP for TCP/IP required
- Mobile Pentium Processor 450 MHz
- Integrated Flash Socket for CF cards or IBM Microdrives
- Direct visualization of process data via integrated graphic module
- Direct information of CPU data (cycle time, load of the CPU etc.)
- Supports page frame access for IM and CP modules
- PC-MIP module slot for graphic, fieldbus etc.
- Diagnosis LCD display
- 64 MB memory on board (2 MB retained)
- Supported serial protocols: 3964R, RK512, ASCII
- Supported Ethernet protocols: TCP/IP, ISO on TCP (RFC1006)

Technical Data

Processor

- K6-2E+ Processor 450 MHz

Electrical Data

- + 5 V DC: 4.85V to 5.24V @tbd

Memory

- 64 MB SDRAM
- 128 KB Bios Flash
- 2 MB retained SRAM

Serial Interfaces

- 1 x AS511(TTY) or RS232 with 15 pin Sub-D female
- 1 x RS232 with 9 pin Sub-D male

Ethernet interfaces

- 1 x 10/100 Mbps, RJ45, 2 port Switch

Interfaces optional

- Keyboard and Mouse via PS2
- Via PC-MIP module:
 - 4 x RS232
 - 4 x RS232 / 485
 - Graphic 1.280 x 1.024

Ethernet Protocols

- TCP/IP
- ISO on TCP (RFC1006)

Serial Protocols

- 3964(R), RK512
- ASCII
- STX / ETX

Bus Adaption

- SIMATIC S5 115U, 135U and 155U
- Supports P and Q Periphery
- Supports page frame access for IM and CP modules

Software

- Operating system RTOS-32
- Software RS7 PLC CPU Software resp.
RS5 PLC CPU Software

Dimensions

- 2 S5 slots

Operating Conditions

- Operating temperature: -20°C up to +50°C
- Relative humidity: Maximum of 95%



Order data

X, modular CPU for the S5, includes RS PLC CPU Software, includes serial parameterization cable

Product:	Order No.:	Price:
X5 / X7 CPU for AG 115U	700-4300-01	€ 8.655,-
X5 / X7 CPU for AG 135U/155U	700-4310-01	€ 8.655,-
X5 / X7 CPU for AG 150U	700-4320-01	€ 8.655,-
RS 5 software (CPU 945 compatible)	700-4330-01	
RS 5 software (CPU 948 compatible)	700-4331-01	
RS 7 software (CPU 416 / 945 compatible = mixed operation)	700-4340-01	
RS 7 software (CPU 416/948 compatible = mixed operation)	700-4341-01	