6ES7650-4BA82-3VB0

Industrial automation components

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Manufacturer	Siemens
Catalog number	6es7650-4ba82-3vb0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Processor	Intel Core i3-4330TE
Processor Cores	2 cores
Processor Threads	4 threads
Processor Speed	2.4 GHz
Processor Cache	4 MB
Memory	8 GB
Memory Type	DDR3 1600 DIMM
Storage	250 GB
Storage Type	SATA
Ethernet Ports	2 ports
USB Ports	4 ports
Serial Ports	1 port

Description

The Siemens 6ES7650-4BA82-3VB0 is a high-performance industrial PC designed for demanding automation tasks. Part of the SIMATIC PCS 7 Box System IPC627D, it features an Intel Core i3-4330TE processor with 2 cores and 4 threads, operating at 2.4 GHz, and 4 MB cache.

The system includes 8 GB DDR3 1600 DIMM memory and a 250 GB SATA hard drive. Connectivity options comprise two 10/100/1000 Mbit/s Ethernet RJ45 ports, four USB 3.0 ports, and one serial (COM1) port. Expansion capabilities are provided by one PCIe (X16) slot and one PCI slot.

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The system operates on Windows 10 IoT Enterprise 2015 LTSB, 64-bit, with PCS 7 V9.0 SP2 pre-installed for non-RTX-based systems. The 22-inch single-touch display offers a resolution of 1920 x 1080 pixels.

The industrial power supply unit supports 110/230 V AC input and includes a NAMUR interface. This robust configuration ensures reliable performance in industrial environments.