

A20B-8100-0665 Fanuc 21i-B Ethernet 5VDC/24VDC Main CPU Board Datasheet



Brand: Fanuc

SKU: [996664888623](#)

Category: CNC, Robotics & PLC Boards

Price: **\$1,714.29**

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Product Description

Fanuc A20B-8100-0665 is a high-performance main CPU printed circuit board measuring approximately 250 mm x 200 mm, designed for the 21i-B series CNC control systems. The multi-layer board integrates an Ethernet communication interface and PMC-SB7 logic processing capabilities to manage high-speed data exchange and machine sequence control. It features dedicated slots for CPU processors, servo cards, and surface-mount device modules including ROM and SRAM/DRAM components. The hardware architecture is built on a yellow backplane interface, utilizing high-density edge connectors for signal integrity and noise immunity within the control cabinet environment.

A20B-8100-0665 Specifications

Model Number: A20B-8100-0665

Brand: Fanuc

Category: Main CPU Control Board

Series: 21i-B (Model B)

Logic Type: PMC-SB7

Communication: Integrated Ethernet Port

System Compatibility: A02B-0285-Bxxx

Processor Compatibility: A20B-3300-031x

Input Voltage: 5 VDC / 24 VDC

Operating Temperature: 0 to 60 °C

Storage Temperature: -20 to 70 °C

Humidity: 10 to 90 % RH

Board Construction: Multi-layer FR-4

Interface: RJ45 Ethernet, Multi-pin Edge Connectors

Module Support: ROM, SRAM, DRAM, Servo Cards

Weight: 0.55 kg

A20B-8100-0665 Applications

Primary applications include integration into Fanuc 21i-MB and 21i-TB CNC control systems used for multi-axis milling and turning centers. Deployed within A02B-0285-Bxxx series control cabinets to coordinate communication between the central processor, servo drives, and peripheral I/O modules in automated production lines.

Supplemental Images

