



8601

Allen-Bradley 8600 CNC Control Unit

Product scope

- The exact order identity fixes controller family at 8600 CNC within the Allen-Bradley 8600 CNC platform.
- The hardware path is defined by axis connectors, encoder inputs, analog channels, cabinet I/O and the original 8600-series machine wiring.
- Its intended duty is retrofit maintenance of machine tools retaining Allen-Bradley 8600 CNC architecture.
- an Allen-Bradley 8601 CNC control unit with dedicated axis, encoder and analog interfaces for legacy machine-tool control

Official source basis

<https://literature.rockwellautomation.com/>

Technical facts are limited to the identified manufacturer documentation and the exact ordering configuration shown above.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	Allen-Bradley 8601	

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8601 technical profile

Allen-Bradley 8601 is the documented cnc control unit in the Allen-Bradley 8600 CNC family. Coordinating its exact configuration, controller family is 8600 CNC, while unit designation is 8601.

Installed in retrofit maintenance of machine tools retaining Allen-Bradley 8600 CNC architecture, this hardware coordinates programmed machine motion and exchanges command and feedback signals with the installed drives and encoders. The official connection definition is axis connectors, encoder inputs, analog channels, cabinet I/O and the original 8600-series machine wiring.

Before migration or exchange, verify control release, axis count, encoder type, analog-drive interface, machine ladder and connector pinout. Back up all machine data and parameters before removal; verify emergency-stop and axis limits during recommissioning

Selection notice

Back up 8601 machine parameters and verify emergency-stop and travel-limit functions during recommissioning.

Technical specifications

Controller family	8600 CNC
Unit designation	8601
Machine function	Numerical control
Axis interface	Dedicated channel connectors
Feedback input	Encoder ports
Analog interface	Front-panel analog connectors
Service indicators	Status LEDs
Configuration data	Machine-specific parameters
Measured size	43 x 43 x 9.5 cm
Measured mass	7.24 kg
Safety integration	External machine circuits
Replacement evidence	Program and parameter backup

Application and integration notes

Axis I/O	• The external data or signal path is formed by axis connectors, encoder inputs, analog channels, cabinet I/O and the original 8600-series machine wiring. • The official record identifies axis interface as Dedicated channel connectors, defining the connection boundary for this assembly. • Commissioning must preserve the documented addressing, termination, shielding and topology that belong to retrofit maintenance of machine tools retaining Allen-Bradley 8600 CNC architecture.
CNC Setup	• The service baseline must retain the original project, parameter set or media image associated with retrofit maintenance of machine tools retaining Allen-Bradley 8600 CNC architecture. • The official record identifies configuration data as Machine-specific parameters, which must be reconciled before a download or restart. • Backups for the Allen-Bradley 8600 CNC installation should be verified before removal so an unproven state is not introduced through axis connectors, encoder inputs, analog channels, cabinet I/O and the original 8600-series machine wiring.
Temperature Range	• The cnc control unit used in retrofit maintenance of machine tools retaining Allen-Bradley 8600 CNC architecture must remain within the environmental limits published for its complete Allen-Bradley 8600 CNC assembly. • The available official record lists feedback input as Encoder ports; that limit must be interpreted for the exact order configuration. • Airflow, condensation control, contamination and transport protection must be reviewed for the site conditions in retrofit maintenance of machine tools retaining Allen-Bradley 8600 CNC architecture.

Request product documentation and quotation support

Send the complete label, system configuration, quantity and destination.



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