

Jazz® Micro-OPLC™

... Replace that "smart-relay" with a real PLC/HMI ...



Jazz® series featuring:

- **HMI**
 - Up to 60 user-designed screens
 - Multilingual: supports over 15 languages & 20 graphic symbols
 - Scroll between pre-programmed recipes/menus
- **PLC**
 - Ladder Logic programming ensures functional flexibility
 - Functions include: interrupt, loops, math, store & compare functions
 - Time-based control in 3 clicks
 - High-speed counters & PWM outputs
 - Direct temperature inputs
 - Auto-tune PID, up to 4 loops

Communication²

- SMS messaging via GSM
- Remote Access utilities
- PC access via MODBUS or OPC server
- MODBUS networking



Much more than a "smart relay". Full-function PLC and HMI, with up to 40 onboard I/Os, all in one device

Article Number	JZ10-11-R10	JZ10-11-T10	JZ10-11-R16	JZ10-11-T17	JZ10-11-R31	JZ10-11-T40	JZ10-11-JN20	JZ10-11-JN24	JZ10-11-PT15
Inputs	6 Digital Inputs 4 Relay Outputs	6 Digital Inputs 4 Transistor Outputs	6 Digital, 2 D/A 2 Analog Inputs 6 Relay Outputs	6 Digital, 2 D/A 2 Analog Inputs 7 Transistor Outputs	16 Digital, 2 D/A 2 Analog Inputs 11 Relay Outputs	16 Digital 2 D/A, 2 Analog 20 Transistor Outputs	9 Digital, 2 D/A 1 Analog 1 PFI00/TC Inputs 5 Relay, 2 Analog 2 Transistor Outputs	9 Digital, 2 D/A 2 Analog 2 PFI00/TC Inputs 5 Relay, 2 Analog 2 Transistor Outputs	3 Digital, 3 D/A 3 PFI000M/1000 Inputs ¹ 5 Relay 1 Transistor Outputs
High-Speed Counters³	None	None	2 10-bit, 0-10V and 2 10-bit, 0-20mA, 4-20mA	2 10-bit, 0-10V and 2 10-bit, 0-20mA, 4-20mA	2 10-bit, 0-10V and 2 10-bit, 0-20mA, 4-20mA	2 10-bit, 0-10V and 1 10-bit, 0-20mA, 4-20mA	2 10-bit, 0-10V and 1 10-bit, 0-20mA, 4-20mA	2 10-bit, 0-10V and 2 10-bit, 0-20mA, 4-20mA	3 10-bit 0-10V
Temperature Measurement	None	None	None	None	None	None	None	2 PFI00/TC	3 PFI000M/1000
Outputs	4 relay	4 pnp	6 relay	7 pnp	11 relay	20 pnp	5 relay, 2 pnp	5 relay, 2 pnp	5 relay 1 pnp/1pin
Digital	None	2 PWM	None	2 PWM	None	2 PWM	2 PWM	2 PWM	1 HSO
High-Speed Outputs/ PWM	None	None	None	None	None	None	None	2 10-bit +/-10V, 4-20mA	None
Analog	None	None	None	None	None	None	None	None	None
Program	2K (virtual)								
Ladder Code Memory	25k coils, 25k negatives, 64 timers								
Memory Operands	STN LCD								
Operator Panel	2 lines x 16 characters								
Type	16 keys, 10 of which one user-labeled								
Display Size	24VDC								
Keypad	10 years typical at 77°F; battery back-up for RTC and system data, including variable data								
General	NEMAX/IPC5 (please panel mounted)								
Power Supply	Real-time clock functions (date and time)								
Battery									
Environment									
Clock									

Add-on modules² and accessories

Programming kit	COM Port kit	Program Cloner module	Keypad Slide kit
Programming Add-on port (isolated) + software CD Article No.: JZ-PKG	RS232/RS485 Add-on port (isolated) Article No.: JZ-RS4	Copy applications from PLC to PLC Article No.: MJ20-MEM1	Customize the Jazz keypad to your application Article No.: MJ20-JZ-SLI

² In order to download applications and enable communications, install Jazz[®] with the appropriate Add-on Module.

³ Certain inputs can function as high-speed counters, or as normal digital inputs.

¹ These models comprise a total of 10/20 inputs (model dependent), 6/16 (model dependent) of these may be in a group, as either digital input or pnp/npn, 2 (model dependent) functions. Both the pnp/npn, analog and the other inputs. Note that it is also possible to individually set a 10 pin pnp input, and the other as an analog input. The two remaining inputs are analog (current).