JAZZ®

An All-in-One that is as affordable as a "smart relay" - full-function PLC combined with a textual HMI and keyboard, with up to 40 onboard I/Os

Meet the New Jazz 2 series
Advantages:

- Faster performance - 30x faster
- Double the memory
- Built-in mini-USB programming port
- Ethernet via Add-on Port
- Fully compatible with current Jazz projects

Features:

HMI

- Up to 60 user-designed screens
- Multilingual: supports over 15 languages and 20 graphic symbols

PLC

- Ladder Logic programming ensures functional flexibility
- Functions include: interrupt, loops, math, store & compare functions
- Date & Time-based control
- High-speed counters & PWM outputs
- Direct temperature inputs
- Auto-tune PID, up to 4 loops

Communication

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

Jazz®
Flat Panel

Jazz®-J
Classic Panel

CE/UL

JZ20 | JZ10

Article Number		JZ20						JZ10		
	Classic Panel	JZ20-R10	JZ20-R16	JZ20-R31	JZ20-T10	JZ20-T18	JZ20-T40	JZ10-11-UN20	JZ10-11-UA24	JZ10-11-PT15
	Flat Panel	JZ20-J-R10	JZ20-J-R16	JZ20-J-R31	JZ20-J-T10	JZ20-J-T18	JZ20-J-T40	JZ10-J-UN20	JZ10-J-UA24	JZ10-J-PT15
		6 Digital Inputs 4 Relay Outputs	6 Digital, 2 D/A, 2 Analog Inputs[1] 6 Relay Outputs	16 Digital, 2 D/A, 2 Analog Inputs[1] 11 Relay Outputs	6 Digital Inputs 4 Transistor Outputs	6 Digital, 2 D/A 2 Analog Inputs[1] 8 Transistor Outputs	16 Digital 2 D/A, 2 Analog Inputs[1] 20 Transistor Outputs	9 Digital, 2 D/A 1 Analog 1 PT100/TC Inputs[1] 5 Relay 2 Transistor Outputs	9 Digital, 2 D/A 2 Analog, 2 PT100/TC Inputs[1] 5 Relay, 2 Analog 2 Transistor Outputs	3 Digital, 3 D/A 3 PT1000/NI1000 Inputs[1] 5 Relay 1 Transistor Outputs

Inputs

Digital pnp/npn	6	8	18	6	8	18	11	11	6
High-Speed Counters4	2 10kHZ, 16-bit						1 5kHZ, 16-bit		
Analog	None	2 10 or 12-bit, 0-10V & 2 10-bit 0-20mA, 4-20mA	2 10 or 12-bit, 0-10V & 2 10-bit 0-20mA, 4-20mA	None	2 10-bit, 0-10V & 2 10-bit 0-20mA, 4-20mA	2 10-bit, 0-10V & 2 10-bit 0-20mA, 4-20mA	2 10-bit, 0-10V & 1 10-bit 0-20mA, 4-20mA	2 10-bit, 0-10V & 2 10-bit 0-20mA, 4-20mA	3 10-bit 0-10V[2]
Temperature Measurement	None	None	None	None	None	None	1 PT100/TC	2 PT100/TC	3 PT1000/NI1000

Outputs

Digital	4 relay	6 relay	11 relay	4 pnp	8 pnp	20 pnp	5 relay, 2 pnp	5 relay, 2 pnp	5 relay 1 pnp/npn
High-Speed Outputs/PWM	None	None	None	2 PWM	2 PWM	2 PWM	2 PWM	2 PWM	1 HSO
Analog	None	None	None	None	None	None	None	2 12-bit +/- 10V, 4-20mA	None

Program

Ladder Code Memory	48K (JZ20) / 24K (JZ10)
Memory Operands	256 coils, 256 registers, 64 timers

Operator Panel

Type	STN LCD
Display Size	2 lines x 16 characters
Keys	16 keys, 10 of which may be user-labeled

General

Power Supply	24VDC
Battery	10 years typical at 25°C, battery back-up for RTC and system data, including variable data
Clock	Real-time clock functions (date and time)
Environment	NEMA4X/IP65 (when panel mounted)
Standard	CE, UL Many of our products are also UL Class 1 Div 2 and GOST certified - please contact Unitronics
Programming Port	On Board Mini USB (JZ20) / Article No.: JZ-PRG sold separately (JZ10)

Communication

Serial	RS232/RS485 Add-on port (isolated) Article No.: JZ-RS4 sold separately
Ethernet	Ethernet add-on port Article No.: MJ20-ET1 sold separately (JZ20) / Not supported (JZ10)

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

[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.

Add-on modules and accessories[2]

COM Port kit	Ethernet Communication Port **New!**	Program Cloner module	Keypad Slide kit
RS232/RS485 Add-on port (isolated) Article No.: JZ-RS4	Ethernet add on port **Supported by Jazz® 2 series only** Article No.: MJ20-ET1*	Copy applications from PLC to PLC Article No.: MJ20-MEM1	Customize the Jazz® keypad to your application Article No.: MJ20-JZ-SL1

* Not yet UL certified