

IVC1L series programmable controller

Product introduction

IVC1L series products are smart small-sized PLCs, which are designed in a compact structure, provide strong functions, and support flexible I/O configuration.

- Supporting a maximum of 128-point I/O extension
- Supporting 2 AB phase inputs, 6 single-phase high-speed pulse inputs, and 3 high-speed pulse outputs
- Providing multiple main modules with different I/O configurations, different input power supplies, and integrated analog channels
- Providing three standard independent serial communication ports: Port0 to Port2
- Certified by EU Rosh



Main module models

Model	Description	Dimensions (W×H×D)
IVC1L-0806MAR	8-point 24V DC input, 6-point relay output, 220V AC power supply	135×90×81.2 mm
IVC1L-0806MAT	8-point 24V DC input, 6-point transistor output, 220V AC power supply	135×90×81.2 mm
IVC1L-1208MAR	12-point 24V DC input, 8-point relay output, 220V AC power supply	135×90×81.2 mm
IVC1L-1208MAT	12-point 24V DC input, 8-point transistor output, 220V AC power supply	135×90×81.2 mm
IVC1L-1410MAR	14-point 24V DC input, 10-point relay output, 220V AC power supply	135×90×81.2 mm
IVC1L-1410MAT	14-point 24V DC input, 10-point transistor output, 220V AC power supply	135×90×81.2 mm
IVC1L-1614MAR	16-point 24V DC input, 14-point relay output, 220V AC power supply	150×90×81.2 mm
IVC1L-1614MAT	16-point 24V DC input, 14-point transistor output, 220V AC power supply	150×90×81.2 mm
IVC1L-1614MAR1	16-point 24V DC input, 14-point relay output, 2 integrated analog inputs, 1 analog output, 220V AC power supply	182×90×81.2 mm
IVC1L-1614MAT1	16-point 24V DC input, 14-point transistor output, 2 integrated analog inputs, 1 analog output, 220V AC power supply	182×90×81.2 mm
IVC1L-2416MAR	24-point 24V DC input, 16-point relay output, 220V AC power supply	182×90×81.2 mm
IVC1L-2416MAT	24-point 24V DC input, 16-point transistor output, 220V AC power supply	182×90×81.2 mm
IVC1L-3624MAR	36-point 24V DC input, 24-point relay output, 220V AC power supply	224.5×90×81.2 mm
IVC1L-3624MAT	36-point 24V DC input, 24-point transistor output, 220V AC power supply	224.5×90×81.2 mm

Terminal-removable model	Description	Dimensions (W×H×D)
IVC1L-0806MAR2	8-point 24V DC input, 6-point relay output, 220V AC power supply	135×90×81.2 mm
IVC1L-0806MAT2	8-point 24V DC input, 6-point transistor output, 220V AC power supply	135×90×81.2 mm
IVC1L-1208MAR2	12-point 24V DC input, 8-point relay output, 220V AC power supply	135×90×81.2 mm
IVC1L-1208MAT2	12-point 24V DC input, 8-point transistor output, 220V AC power supply	135×90×81.2 mm
IVC1L-1410MAR2	14-point 24V DC input, 10-point relay output, 220V AC power supply	135×90×81.2 mm
IVC1L-1410MAT2	14-point 24V DC input, 10-point transistor output, 220V AC power supply	135×90×81.2 mm
IVC1L-1614MAR2	16-point 24V DC input, 14-point relay output, 220V AC power supply	150×90×81.2 mm
IVC1L-1614MAT2	16-point 24V DC input, 14-point transistor output, 220V AC power supply	150×90×81.2 mm
IVC1L-1614MAR6	16-point 24V DC input, 14-point relay output, 2 integrated analog inputs, 1 analog output, 220V AC power supply	182×90×81.2 mm
IVC1L-1614MAT6	16-point 24V DC input, 14-point transistor output, 2 integrated analog inputs, 1 analog output, 220V AC power supply	182×90×81.2 mm
IVC1L-2416MAR2	24-point 24V DC input, 16-point relay output, 220V AC power supply	182×90×81.2 mm
IVC1L-2416MAT2	24-point 24V DC input, 16-point transistor output, 220V AC power supply	182×90×81.2 mm
IVC1L-3624MAR2	36-point 24V DC input, 24-point relay output, 220V AC power supply	224.5×90×81.2 mm
IVC1L-3624MAT2	36-point 24V DC input, 24-point transistor output, 220V AC power supply	224.5×90×81.2 mm

DC power supply model	Description	Dimensions (W×H×D)
IVC1L-0806MDR	8-point 24V DC input, 6-point relay output, 24V DC power supply	135×90×81.2 mm
IVC1L-0806MDT	8-point 24V DC input, 6-point transistor output, 24V DC power supply	135×90×81.2 mm
IVC1L-1208MDR	12-point 24V DC input, 8-point relay output, 24V DC power supply	135×90×81.2 mm
IVC1L-1208MDT	12-point 24V DC input, 8-point transistor output, 24V DC power supply	135×90×81.2 mm
IVC1L-1410MDR	14-point 24V DC input, 10-point relay output, 24V DC power supply	135×90×81.2 mm
IVC1L-1410MDT	14-point 24V DC input, 10-point transistor output, 24V DC power supply	135×90×81.2 mm
IVC1L-1614MDR	16-point 24V DC input, 14-point relay output, 24V DC power supply	150×90×81.2 mm
IVC1L-1614MDT	16-point 24V DC input, 14-point transistor output, 24V DC power supply	150×90×81.2 mm
IVC1L-2416MDR	24-point 24V DC input, 16-point relay output, 24V DC power supply	182×90×81.2 mm
IVC1L-2416MDT	24-point 24V DC input, 16-point transistor output, 24V DC power supply	182×90×81.2 mm
IVC1L-3624MDR	36-point 24V DC input, 24-point relay output, 24V DC power supply	224.5×90×81.2 mm
IVC1L-3624MDT	36-point 24V DC input, 24-point transistor output, 24V DC power supply	224.5×90×81.2 mm

Extension module models

Model	Description	Dimensions (W×H×D)
IVC1L-0808ENR	IVC1L series extension module, 8-point input, 8-point relay output	61×90×81.2 mm
IVC1L-0808ENT	IVC1L series extension module, 8-point input, 8-point transistor output	61×90×81.2 mm
IVC1L-1600ENN	IVC1L series extension module, 16-point input	61×90×81.2 mm
IVC1L-0016ENT	IVC1L series extension module, 16-point transistor output	61×90×81.2 mm
IVC1L-0016ENR	IVC1L series extension module, 16-point relay output	61×90×81.2 mm

Special function module models

Model	Description	Dimensions (W×H×D)
IVC1L-2AD	IVC1L series extension module, 2 analog inputs	61×90×81.2 mm
IVC1L-2DA	IVC1L series extension module, 2 analog outputs	61×90×81.2 mm
IVC1L-2TC	IVC1L series extension module, 2 thermocouple modules	61×90×81.2 mm
IVC1L-2PT	IVC1L series extension module, 2 thermistor modules	61×90×81.2 mm
IVC1L-4AD	IVC1L series extension module, 4 analog inputs	61×90×81.2 mm
IVC1L-4DA	IVC1L series extension module, 2 analog outputs	61×90×81.2 mm
IVC1L-4TC	IVC1L series extension module, 4 thermocouple modules	61×90×81.2 mm
IVC1L-4PT	IVC1L series extension module, 4 thermistor modules	61×90×81.2 mm
IVC1L-5AM	IVC1L series extension module, 4 analog inputs, 1 analog output	61×90×81.2 mm
IVCS-EPM	Ethernet adapter	56×82×26 mm

Optional accessory models

Model	Description	Dimensions (W×H×D)
IVC-SL1	PLC-VS series HMI communication cable	3m
IVC-SL2	PLC download cable (USB)	2m
IVC-SL3	PLC-VT/VK/VA series HMI communication cable	3m
IVC-SL4	HMI download cable (USB)	1.5m
IVC-SL5	PLC-VT/VK/VA series HMI communication cable	7m