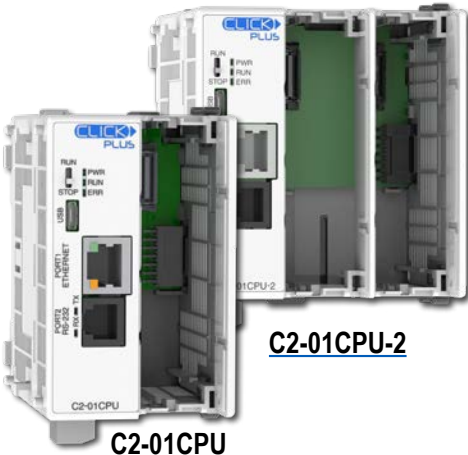


CLICK PLUS PLC Specifications

PLC Unit Specifications (continued)



C2-01CPU-2

C2-01CPU



C2-02CPU-2

C2-02CPU



C2-03CPU-2

C2-03CPU

CLICK PLUS PLC Unit Specifications				
	C2-01CPU C2-01CPU-2	C2-02CPU C2-02CPU-2	C2-03CPU C2-03CPU-2	
Control Method	Stored Program/Cyclic execution method			
I/O Numbering System	Fixed in Decimal			
Ladder Memory (steps)	8000			
Total Data Memory (words)	8000			
Contact Execution (boolean)	< 0.2 μs			
Typical Scan (1k boolean)	< 1ms			
RLL Ladder Style Programming	Yes			
Run Time Edits	Yes			
Scan	Variable / fixed			
PLC Mode Switch	1 (RUN/STOP)			
FLASH Memory	Standard on PLC			
Protocol	Modbus RTU (master/slave)	Yes	No	Yes
	ASCII (in/out)	Yes	No	Yes
	Modbus TCP (client server)	Yes	Yes	Yes
	EtherNet/IP Implicit and Explicit (adapter server)	Yes	No	Yes
MQTT	Publisher: 4 publishers, 3 blocks each Subscriber: 10 blocks			
Data Logging	N/A	N/A	Time, date, 16 addresses	
CLICK Programming Software	Yes (Windows)			
Number of Instructions Available	21			
Control Relays	2000			
System Control Relays	1000			
Timers	500			
Counters	250			
Interrupt	Yes (external: 8 / timed: 4)			
Subroutines	Yes			
For/Next Loops	Yes			
Math (Integer and Hex)	Yes			
Drum Sequencer Instruction	Yes			
Internal Diagnostics	Yes			
Password Security	Yes			
System Error Log	Yes			
User Error Log	No			
Memory Backup	Super capacitor + battery			
Battery Backup	Yes (battery part #D0-MC-BAT)			
Calendar/Clock	Yes			

CLICK PLUS PLC Specifications

PLC Unit Specifications (continued)

CLICK PLUS PLC Unit Specifications							
		<i>C2-01CPU</i>	<i>C2-01CPU-2</i>	<i>C2-02CPU</i>	<i>C2-02CPU-2</i>	<i>C2-03CPU</i>	<i>C2-03CPU-2</i>
I/O Slot	Internal I/O	N/A (optional)					
	Option Slot Support	Yes, 1	Yes, 2	Yes, 1	Yes, 2	Yes, 1	Yes, 2
	Expansion I/O	Yes (max. 8 modules)					
Com. Ports	USB Port (programming)	Yes (device) (For programming and providing 5VDC power, microB USB)					
	Ethernet (RJ45)	Yes (10/100)		No		Yes (10/100)	
	Serial Port RS-232 (RJ12)	Yes		No		Yes	
	Serial Port RS-485 (terminal block)	No				Yes	
	WLAN	No		Yes (RP-SMA connection for optional external antenna, shared)			
	Bluetooth	No					
Status Indicators	WLAN Status LED	None		1			
	Bluetooth Status LED	None		1			
	CPU Status LED	3 (PWR/RUN/ERR)					
	Ethernet Status LED	2 (LINK/ACT 10/100)		None		2 (LINK/ACT 10/100)	
	Serial Status LED	2 (TX/RX)		None		2 (TX/RX)	
	SD Card Status LED	None				1	
Other	MicroSD Card Slot (SDHC-compatible)	No				Yes	
Power	Nominal Input Voltage	24VDC (4-pin terminal block)					
	Operating Voltage Range	24VDC, Class 2 or SELV (Safety Extra-Low Voltage) or Limited Energy Circuit power supply					
	Input Voltage Range	20.0–28.0 VDC					
	Maximum Inrush Current	30A @ 1ms					
	Power Consumption	20W	22W	20W	22W	20W	22W
	Acceptable External Power Drop	Max 10ms (AC power failure with C0-00AC or C0-01AC)					
	Current Required	110mA	120mA	105mA	115mA	130mA	140mA
	Fuse	None					
	External Fuse Recommended	No					
	Polarity Protection	Power input is reverse polarity protected					
	USB Supply	5VDC (via USB programming port)					
Communication Port & Terminal Block Replacement		N/A		N/A		AutomationDirect p/n C0-3TB	
24VDC Power Terminal Block Replacement		AutomationDirect p/n C0-4TB					
Antenna Requirements		N/A		2.4 GHz antenna, RP-SMA connector (AutomationDirect p/n SE-ANT250 or SE-ANT210)			
Drawing Link		PDF	PDF	PDF	PDF	PDF	PDF
Weight		3.5 oz [99g]	4.0 oz [114g]	3.3 oz [94g]	3.8 oz [109g]	4.0 oz [114g]	4.6 oz [129g]

CLICK PLUS PLC Specifications

General Specifications For All CLICK PLUS PLC Products

These general specifications apply to all CLICK PLUS PLCs. Please refer to the appropriate I/O temperature derating charts under the Option Slot module and Stackable I/O module specifications to determine best operating conditions based on the ambient temperature of your particular application.

General Specifications	
Operating Temperature	32°F to 131°F (0°C to 55°C)
Storage Temperature	-4°F to 158°F (-20°C to 70°C) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-14 (Test Na, Thermal Shock)
Ambient Humidity	30% to 95% relative humidity (non-condensing)
Environmental Air	No corrosive gases. Environmental pollution level is 2 (UL840)
Environment	For Indoor Use Only
Vibration	IEC60068-2-6 (Test Fc) 5-9Hz:3.5mm amplitude, 9-150Hz 1.0G 10 sweep cycles per axis on each of 3 mutually perpendicular axes.
Shock	IEC60068-2-27 (Test Ea) 15G peak, 11ms duration, 3 shocks in each direction per axis, on 3 mutually perpendicular axes.
Voltage Withstand (Dielectric)	1000VAC, 1 minute (between G and 24V IN)
Insulation Resistance	500VDC, 10M ohm (between G and 24V IN)
Noise Immunity	<EN61131-2> EN61000-4-2 (ESD): 4kV(Contact Discharge) 8kV(Air Discharge) EN61000-4-3 (RFI): 10V/m (80MHz-1GHz) ,3V/m (1.4 GHz-2.0 GHz) 1V/m (2.0 GHz-2.7 GHz) EN61000-4-4 (FTB) : 2kV ,positive/negative , 5kHz (DC Power Port) 1kV ,positive/negative, 5kHz (I/O and Communication Port) EN61000-4-5 (Surge): 0.5 kV/1kV line to line 0.5 kV/1kV line to earth EN61000-4-6 (Conducted): 10V ,0.15 MHz – 80MHz EN61000-4-8 (Power frequency magnetic field immunity) : 30A/m <Local Test> Impulse Immunity : 1000V @ 1µs pulse
Emissions	EN55011 Class A (Radiated RF emission)
Agency Approvals	UL61010 (File No. E157382, E316037); CE (EN61131-2); CUL Canadian C22.2
Radio Standards	FCC part15C (US), RED Article3.2 (CE), IC RSS-247 (Canada), MIC Item 19 of Article 2-1 (Japan), AS/NZS 4268 (Australia/New Zealand)
Other	RoHS 2011/65/EU Amendment (EU)2015/863

CLICK PLUS PLC Specifications

CLICK PLUS PLC Hardware/Software Compatibility

The table below shows the minimum software and hardware versions required for the CLICK PLUS PLCs and Option Slot Modules. The CLICK PLUS PLC can also utilize the CLICK Stackable I/O Modules, as any software and hardware version compatible with CLICK PLUS is also compatible with the CLICK Stackable I/O Modules.

CLICK PLUS PLC Features Software Compatibility					
Device Type	Part Number	Minimum CLICK Software Version			
		Hardware	High-Speed Inputs*	EtherNet/IP	PID, DHCP, DNS, SNTP, MQTT
CLICK PLUS CPU	C2-01CPU	v3.00	v3.00	v3.00	v3.00
	C2-02CPU			N/A	
	C2-03CPU			v3.00	
	C2-01CPU-2	v3.20	v3.20	v3.20	v3.20
	C2-02CPU-2			N/A	
	C2-03CPU-2			v3.20	
Option Slot I/O Modules	C2-14D1	v3.00	v3.00	N/A	N/A
	C2-14D2				
	C2-14DR				
	C2-14AR		N/A		
	C2-08D1-4VC	v3.00	v3.00	N/A	N/A
	C2-08D2-4VC				
	C2-08DR-4VC		N/A		
	C2-08AR-4VC	v3.00	v3.00	N/A	N/A
	C2-08D1-6C				
	C2-08D2-6C				
	C2-08DR-6C		N/A		
	C2-08AR-6C	v3.00	v3.00	N/A	N/A
	C2-08D1-6V				
	C2-08D2-6V				
	C2-08DR-6V		N/A		
C2-08AR-6V	v3.20	N/A	N/A	N/A	
C2-DCM					

* High-speed Inputs are only available when the Option Slot I/O Module is installed in Slot 0.

CLICK PLC Family Overview

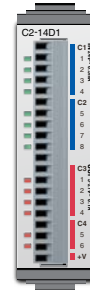
What you'll need

Of course, what you'll need for your system depends on your particular application, but this overview shows you what you'll need for a simple system.

1. Select your **CLICK** or **CLICK PLUS** PLC unit.



2. If using a **CLICK PLUS** PLC, select an **Option Slot Module** if desired.



3. If you need additional I/O, select from 24 different types of **Stackable I/O modules**.



4. Select a 24VDC power supply.



or



5. Download the **FREE CLICK** programming software. support.automationdirect.com/products/clickplcs.html



6. Download the **FREE CLICK** mobile app. The **CLICK** mobile app is available for **iOS** and **Android**. It can connect to your **C2-02CPU** or **C2-03CPU** over **Bluetooth** to provision the PLC onto a **Wi-Fi** network. (PLC requires an external antenna)

