

PLC/PAC Input Output Module Part Number Explanation

1. The following pages are organized first by input modules both digital and analog. Then by output modules digital and analog. Last page shows SLC analog modules. Also shows a sampling of non-IO modules AKA specialty modules. Not all platforms such as 5094 are shown on this page.
2. Not all combinations or configurations are possible with all of the parameters listed. For example in the digital input example part number 1756-IB16DK there is no 2, 4 or 8 point version of the module.
3. Can always use Proposal Works to verify configurations available using this as a starting rubric.

Digital Input Module

1756 - I B 16 D K

IO Module Platform	
1734	Point IO
1746	SLC
1756	ControlLogix
1762	MicroLogix Expansion
1769	CompactLogix and MicroLogix 1500
1794	Flex
2080	Micro800 Plug-In
2085	Micro800 Expansion
5069	CompactLogix High Performance
5094	Flex 5000

Input

Voltage	
A	120VAC
B	24VDC Sink
V	24VDC Source
Q	24vDC Sink or Source (1769 and 1762 only)
Rarely Used	
M	240VAC
N	10-30V AC
C	30-60V DC
G	0-5 VDC TTL
H	90-146V DC
TB	SLC (1746) Fast Response

of Points
2
4
8
16
32

Type (Not always required)	
I	Isolated
D	Diagnostic
H	HART
F	Fast
S	Safety
SOE	Sequence of Events
K	Conformally Coated
X	Combination I and O
T	Thin (cable required)
XT	Extended Temperature

Digital Input Module Color Code

Blue - DC Input

Red - AC Input

Analog Input Module

5094 - I F 8 I H

Voltage, Current, Temperature	
F	Analog 0-10/4-20
E	Analog 0-10/4-20
T	Thermocouple
R	RTD
Y	Universal

of Channels
2
4
6
8
12
16

Type (Not always required)	
I	Isolated
H	HART
C	Current
V	Voltage
S	Safety
K	Conformally Coated
XT	Extended Temperature

Analog Input Module Color Code

Brown - Analog Input

Green - 1746 Analog Input

Pink - 1771 Analog Input

Digital Output Module

5069 - O X 4 I

IO Module Platform	
1734	Point IO
1746	SLC
1756	ControlLogix
1762	MicroLogix Expansion
1769	CompactLogix and MicroLogix 1500
1794	Flex
2080	Micro800 Plug-In
2085	Micro800 Expansion
5069	CompactLogix High Performance
5094	Flex 5000

Output

Voltage/Type	
A	120-240V AC
B	24VDC Source
V	24VDC Sink
W	Relay Output
X	Relay Output with NO/NC
Rarely Used	
M	240VAC
N	10-30V AC
C	30-60V DC
G	0-5 VDC TTL
H	90-146V DC

of Points
2
4
6
8
16
32

Type (Not always required)	
I	Isolated
D	Diagnostic
E	Electronically Fused
F	Fast
S	Safety
K	Conformally Coated
T	Thin (cable required)
XT	Extended Temperature

Digital Output Module Color Code

Green - DC Output
Orange - AC or Relay Output

Analog Output Module

1734 - O E 4 C

Voltage, Current, Temperature	
F	Analog 0-10/4-20
E	Analog 0-10/4-20

of Channels
2
4
8
12
16

Type (Not always required)	
I	Isolated
H	HART
C	Current
V	Voltage
K	Conformally Coated
XT	Extended Temperature

Analog Input Module Color Code

Yellow - Analog Output

Non- IO modules

SLC Analog Input Module		
Prefix 1746	Channels	Type
-NI	4, 8, or 16	I = Current
-NIO4(I or V)	Combo 2 In 2 Out	V = Voltage
-FIO4(I or V)	Fast 2 in 2 Out	

Platform	Part Number	Description
1746	IO(XX)	Combination Input & Output
	SIM	Simulator with switches
	HSCE	Counter 1 channel
	HSCE2	Counter 4 channel
	BLM	Blow Molding
	BTM	Barrel Temperature
	HSTP1	Stepper Control
	HSRV	Servo Control
	QV	Hydraulic Control
	QS	Servo Control
	BAS(-T)	Basic Language

Platform	Part Number	Description
1734	232ASC	RS-232 ASCII
	485ASC	RS-485 ASCII
	SSI	Encoder Module
	ARM	Address Reserve
	CTM	Common Terminal
	VTM	Voltage Terminal
	4IOL	IO Link Master
	IJ	Counter, 5V
	IK	Counter, 24V
	VHSC5	High Speed Counter, 5V
	VHSC24	High Speed Counter, 24V
	FPD	Field Potential Distributor

Platform	Part Number	Description
1769	ARM	Address Reserve
	ASCII	ASCII Module
	Boolean	
	HSC	High Speed Counter

Platform	Part Number	Description
1794	IJ2	Counter Frequency
	VHSC	High Speed Counter
	ID2	Counter, Pulse
	IP4	Counter, Pulse

Platform	Part Number	Description
5069	SERIAL	Serial Communications
	ARM	Address Reserve
	FPD	Field Potential Distributor