

Isolated Counter Module (USB cable and AC adapter Attached) CNT24-2(USB)GY

NEW

- FEATURES**
- A variety and various counter modes are supported.
 - Count coincidence pulse output
 - Digital filter function on board (0.1-1056.1μs)
 - The system incorporates a screwless connector plug that allows you to easily attach and detach wires without using any special tools
 - Extension of the input channels by the extension module is possible (maximum: three sets)
 - 35mm DIN rail attachment is adopted
 - The sample software which supports development, and convenient utility software to debugging are appended to the product



Hardware Specification

Channels	2ch
Counting system	24-bit up/down counter (Two-phase/Single-phase/Single-phase with Gate control)
Input type	Opto-isolated Input (for high sink current output) (Negative logic)
Input signal type	Phase A/UP One x 2ch, Phase B/DOWN One x 2ch, Phase Z/CLR One x 2ch, General-purpose input One x 2ch
Response frequency	500 MHz (Max.), 50% duty
Connector	FK-MC 0.5/9-ST-2.5 [PHOENIX CONTACT]

USB Speed	12Mbps (Full speed), 480Mbps (High speed)
Expansion function	Low-pass filter, Count coincidence pulse output
Power consumption (Max.)	+5VDC 450mA*
Dimensions (mm)	50.4(W)x64.7(D)x94.0(H)
Weight	100g
Attached AC adapter (POA-AD22)	AC90-264V DC5.0V ±5% 2.0A (Max.)
Cable comes with product	USB cable 1.8m

Option

ACX-PAC(W32)BP	ActiveX Component Base Package (Ver.3.1 upper)
ACX-PAC(W32)AP	ActiveX Component Advanced Package (Ver.3.1 upper)
CNT24-2(FIT)GY	Isolated Counter Module for Extension 2ch 24-Bit, Power consumption:5VDC 150mA (Max.)
POA-AD22	AC adapter (AC in : 90-246V, DC out : 5V 2.0A)
POW-AD13GY	AC-DC Power Unit (AC in : 85-132V, DC out : 5V 3.0A)
POW-AD22GY	AC-DC Power Unit (AC in : 85-264V, DC out : 5V 2.0A)
POW-DD10GY	DC-DC Power Unit (DC in :10-30V, DC out : 5V 3.0A)
POW-DD43GY	DC-DC Power Unit (Dc in: 30-50V, Dc out: 5V 3.0A)

USB Isolated

API function library attachment [API-USB(WDM)]

*1:When using an extension module, since current consumption may exceed 500mA, please use AC adapter (Attached) or a power supply unit (Optional).

4 Channel 24-Bit Up/Down Counter CNT24-4(PC)

- FEATURES**
- 24-bit up/down counter
 - Counts two phase signals from devices like a rotary encoder or a linear gauge
 - Opto-isolated input or TTL level input for each channel

SPECIFICATIONS

Channels	4ch
Counting system	Up/Down
Input type	Single-phase input /Two-phase input
Response frequency	Opto-isolated : 500 KHz (Duty: 50%) TTL: 1 MHz (Duty: 50%)
Timer	1msec - 120sec
Max. count	24-bit binary
Input specification	Opto-isolated : 220Ω TTL : One TTL load
Interrupt	IRQ 3-7, 9-12, 14 and 15
I/O address/Expansion function	Any 2-byte boundary / Digital filter
Power consumption (Max.)	+5VDC 300mA

Bus/Dimension (mm)	AT Bus / 163.0(L)x122.0(H)
Connector	Opto-isolated : 37-pin Female D-type TTL : 30-pin header (Male)
Option	
Software	API-PAC(W32), SUPPORT-PAC(PC)502, DDE SERVER(W32)
Accessories	DTP-3(PC), DTP-4(PC), EPD-37**
Cables/Connector	PCA37P, PCB37P, PCA37PS, PCB37PS, DT/O, DT/B2

*1:Option cable of PCB37P or PCB37PS is required.



ISA Isolated Non Isolated CE

D-04

COUNTER/MOTOR CONTROL

Counter

Lineup / Basic Knowledge

PCI Bus

USB

ISA Bus

Motor Controller

Lineup

PCI Bus

ISA Bus