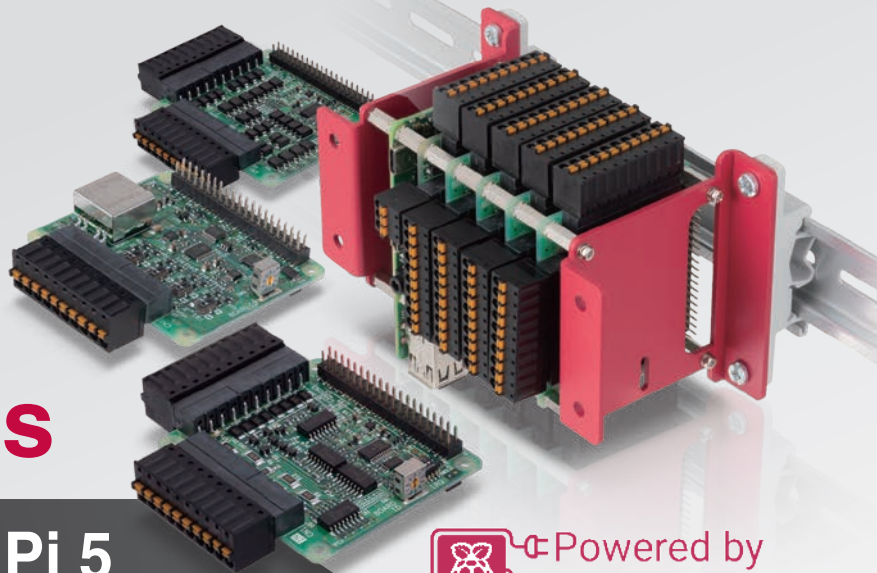


HAT size Expansion cards for Raspberry Pi®

CPI Series

Supports Raspberry Pi 5



Expanded RAS functions

CPI-RAS

- Clock (RTC) with backup battery
- Watchdog timer
- Hardware monitoring
- 5 VDC general-purpose power supply output (With ON/OFF control)
- 12 to 24 VDC output control / GPIO control

Bus isolated analog input

CPI-AI-1208LI

- 12-bit analog input 8ch (Differential 4ch)
- Voltage input / Current input

Bus isolated analog output

CPI-AO-1602LC

- 16-bit analog output 2ch
- Voltage output / Current output

Thermocouple input

CPI-SSI-4C

- 4ch Thermocouple input (differential input)
- Thermocouple types (J, K, E, N, R, S, T)

Opto-isolated digital input and output

CPI-DIO-0808L

- 8ch opto-isolated input (Supports current sink or source output)
- 8ch opto-isolated output (Current sink type)

Opto-isolated digital input and output (negative-common)

CPI-DIO-0808RL

- 8ch opto-isolated input (Supports current sink or source output)
- 8ch opto-isolated output (Current sink type)

Opto-isolated digital input

CPI-DI-16L

- 16ch Opto-isolated input (Supports current sink or source output)

Opto-isolated digital output

CPI-DO-16L

- 16ch opto-isolated output (Current sink type)

Opto-isolated digital output (negative-common)

CPI-DO-16RL

- 16ch opto-isolated output (Current source type)

Relay output

CPI-RRY-16

- 16ch semiconductor relay (1a)

Opto-isolated counter input

CPI-CNT-3201I

- 32-bit up/down counter 1 ch
- Opto-isolated input
- Single phase input/Two-phase input (A/B/Z)
- Response speed 500kHz

DIN rail mounting kit

CPI-DIN01

- Simple mounting onto DIN rails.
- Wall mounting and desktop installation are also supported.
- Raspberry Pi-inspired matte coating that makes scratches less visible

— Analog inputs/outputs, counters, temperature sensor inputs, and more! —

State-of-the-art measurement control I/O from Contec

Utilize all valuable development assets
with multi-platform support

Integrated drivers for minimizing the effects of hardware differences
with high API-level compatibility



* Raspberry Pi is a trademark of Raspberry Pi Ltd.

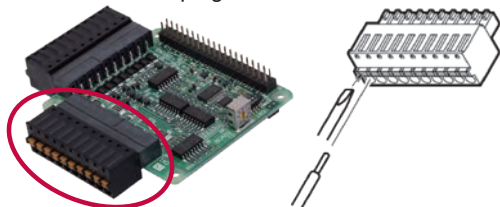
Introducing the **CPI** Series of Raspberry Pi HAT Cards



Features

Push-type terminal block for easy wiring

Convenient, simple connection and disconnection without the need for tools or crimping terminals.



Stacked connection of up to 8 Cards

Expanded HAT specifications including address ID configurability for connecting up to eight stacked Cards.



Connectable to
HATs from other
manufacturers

Free downloadable API and sample programs

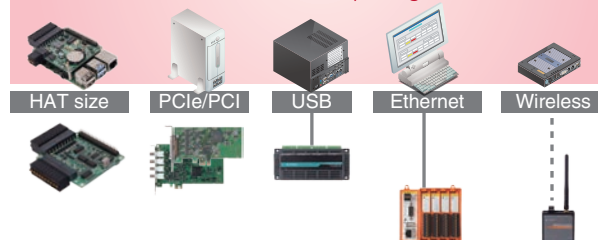
Download CONTEC's free Linux driver (API-TOOL for Linux).

Supports Raspberry Pi 5



API compatible with PC expansion cards

API-TOOL for Windows / for Linux Device Driver / API / Sample Program



Ordering Information

Model	Function Specifications
CPI-RAS	Support for a wide range of power supply inputs (8 to 28 VDC), 5 VDC internal power supply 5 VDC external power supply output (with ON/OFF control), RTC (real-time clock) WDT (watchdog timer), Hardware monitor (CPU temperature / power supply voltage) LED lighting control (green/red), General digital I/O
CPI-AI-1208LI	Bus isolated analog input 12-bit 8ch (Differential 4ch), Voltage input / Current input
CPI-AO-1602LC	Bus isolated analog output 16-bit 2ch, Voltage output / Current output
CPI-SSI-4C	4ch Thermocouple input (differential input), Thermocouple types (J, K, E, N, R, S, T)
CPI-DIO-0808L	Opto-isolated digital inputs 8ch and opto-isolated digital outputs 8ch
CPI-DIO-0808RL	Opto-isolated digital inputs 8ch (negative-common) and opto-isolated digital outputs 8ch (negative-common)
CPI-DI-16L	Opto-isolated digital inputs 16ch
CPI-DO-16L	Opto-isolated digital outputs 16ch
CPI-DO-16RL	Opto-isolated digital outputs 16ch (negative-common)
CPI-RRY-16	Semiconductor relay outputs 16ch
CPI-CNT-3201I	Opto-isolated input 32-bit up/down counter 1 ch, Single phase input/Two-phase input (A/B/Z)

Options

Product Name	Model type	Description
Embedded power supply that can be mounted on a DIN rail	CPS-PWD-30AW24-01	Embedded power supply 30W (Input:100 to 240VAC, Output:24VDC 1.3A)
	CPS-PWD-90AW24-01	Embedded power supply 90W (Input:100 to 240VAC, Output:24VDC 3.8A)
DIN rail mounting kit	CPI-DIN01	Simple mounting onto DIN rails. Wall mounting and desktop installation are also supported.
Spacer set (x2) for Raspberry Pi 5	CPI-SPA01-2	Spacer for attaching CPI series to the Raspberry Pi 5

Contec Global Network

U.S.A.

CONTEC AMERICAS INC.
3991 Sarno Road, Melbourne, FL 32934 U.S.A.
Tel. : +1-321-728-0172
e-mail : sales@us.contec.com

TAIWAN

TAIWAN CONTEC CO., LTD.
9FL, No. 738, Zhongzheng Road,
Zhonghe District, Xinbei 23511 TAIWAN
Tel. : +886-2-8227-8669

CHINA

CONTEC (SHANGHAI) CO., LTD
Room 1002, Qilai Building, No. 889,
Yishan Road, Xuhui District, Shanghai
200233 CHINA
Tel. : +86-21-5401-2288

SINGAPORE

SINGAPORE CONTEC PTE. LTD.
Blk 4010, Ang Mo Kio Ave. 10 #07-06A
Techplace I, 569626 SINGAPORE
Tel. : +65-6459-1667

KOREA

CONTEC CO., LTD. KOREA BRANCH
19, Cheongmyeong-ro 21beon-gil,
Yeongtong-gu, Suwon-si, Gyeonggi-do,
16705 KOREA

INDIA

CONTEC CO., LTD. India Liaison Office
Unit No. DPT-134, First Floor,
DLF Prime Towers, Okhla Phase- 1,
New Delhi -110020, INDIA
Tel. : +91-11-40541327

<https://www.contec.com/>

Headquarters: CONTEC CO., LTD. (Japan)
3-9-31, Himesato, Nishiyodogawa-ku, Osaka 555-0025, Japan
Tel:+81-6-6477-5219 e-mail:intsales@jp.contec.com