



## PIA-3036

### 24-bit Digital I/O Module with DC/DC Converter

The PIA-3036 is a 24-bit digital I/O. The module can be used together with TTL level input / output circuitry.

24 digital I/O lines (1 group)

Group emulates a 8225 PPI mode 0

Higher driving capacity than 8255 PPI

Output status readback

Pin-compatible with OPTO-22 I/O module racks

Transfer rate: 300 KB/sec. (typical)

Digital I/O characteristics:  
same as PIA-3148/3124

The DC to DC converter accepts any input between +8 and +48 VDC, which is converted into single + 5 VDC output. The converter includes cycle-by-cycle current limiting and thermal shutdown for full protection.

Input voltage range : +8 ~ +48 VDC

Output voltage: +5 VDC @ 3 A max.

Switch frequency : 52 KHz fixed frequency

Efficiency: over 80%

Thermal shutdown and current limit protection

### Ordering

**PIA-3036** : PC/104 24-bit Digital I/O and DC/DC Converter Module



## PIA-3026

### AC/DC Power Module

The PIA-3026 is a compact AC/DC switching power supply. The module is highly efficient and accepts a wide range of AC input.

Input voltage range : 90 ~ 264 VAC

Output voltage : +5 VDC @ 2A,  
-5 VDC @ 0.2 A, +12 VDC @ 1 A,  
-12 VDC @ 0.3 A,

Input frequency : 47 ~ 63 Hz

Inrush current cold : 20 A @ 110 VAC,  
40 A @ 220 VAC

Hold-up time : 16 ms

Raise time: 500 ms

Overload protection: power limit

Short protection : auto-recovery

MOSFET design

Built-in line filter

Operating temperature: 0 ~ +55°C

Meets FCC, CE, TÜV

Meets UL478 and CSA 22.2

### Ordering

**PIA-3026** : PC/104 Power Supply Module

