

# PLUTO-A1801PJ

180W Flex form factor Power suppl with Active PFC Japan made capacitor 80PLUS and OVP, OCP, SCP

**180W  
Flex ATX**



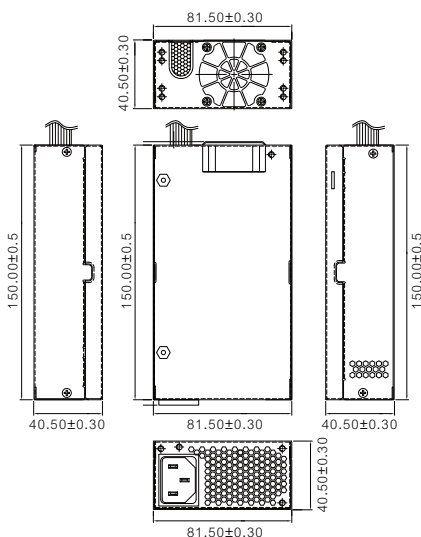
20 Pin    4Pin P4\_12V    4 Pin    4Pin FDD    SATA

For different industrial environment, like POS, small size server station or Mini-ITX system, PSU takes an important position. For those applications, PLUTO-A1801PJ not only can provide high efficiency but also high reliability. In PLUTO-A1801PJ, capacitors are provided by NCC (Nippon Chemi-Con Corporation), and its electrical characteristics is better than other capacitors. It tolerates as high temperature as 105°C, and low current leakage.

High reliability is also an important feature for PLUTO-A1801PJ, Burn-in test in 0°C and 50°C for 12 hours at 100% loading is performed. In such test, PLUTO-A1801PJ can meet various environment standards and keep stable and efficient.

In order to protect customers' valuable data and machine, PLUTO-A1801PJ also comes with protective function such as 100% HI-POT Test, Short Circuit Protection, Over Voltage Protection and Over Current Protection.

## MECHANICAL DRAWING



## FEATURES

- Power Efficiency (25°C can meet the minimum efficiency(80%) for all loading conditions (20%,50,100%))
- Made in Japan capacitor (NCC )
- Internal 4 cm double bearing fan
- Leakage current: Less 3.5 mA-rms at 264Vac, 50 Hz
- Low ripple & noise
- 100% Hi-pot tested
- Hold-up Time in 16ms
- Power Good signal : TTL compatible on delay 100ms to 500ms , off delay 1ms
- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection

## INPUT SPECIFICATION

Input Voltage	90V~264V
Input Frequency	47-63Hz
Input Current	3.0A@115V, 1.5A at 230V

## OUTPUT SPECIFICATION

Wattage	180W
Efficiency	>85%
Holdup Time	16ms, at full load
Over Voltage Protection	+5V:5.7V~7.0V,+12V:13.3V~16V.+3.3V:3.7V~4.8VV
Over Current Protection	+3.3V:40A, +5V:40A, +12V:22A
EMI & Safety Approval	CE, CB, FCC, VCCI, UL, TUV, 80PLUS, CCC

## DC OUTPUT

	+5V	+3.3V	+12V	-12V	+5Vsb
Max.Load	14A	10.0A	10A	0.3A	2.5A
Min.Load	0.2A	0.1A	0.6A	0A	0A
Load Reg.	±5%	±5%	±5%	±10%	±5%
Ripple	50mV	50mV	120mV	120mV	50mV
Noise	50mV	50mV	120mV	120mV	50mV

## GENERAL SPECIFICATION

MTBF	10,000 Hours at 100% loading
Temperature/ Humidity	Storage: -20°C to +80°C, 5% to 25% (non-condensing) Operation: 0°C to +50°C, 5% to 85% (non-condensing)
Dimension (W x D x H)	81.5 x 150 x 40.5mm; 5.9" x 3.2" x 1.6"
Risetime	0.1 ms to 20 ms.

