

# ACE-816A/816AP/916A/916AP

150W Power Supply

# ACE-815T

150W 48VDC Input ATX Power Supply

# ACE-815C

100W 24VDC Input ATX Power Supply

*Designed for 1U Server Appliance Product !!*



ACE-816AP



## SPECIFICATIONS

- ◆ Input Range :  
90V AC~264V AC full range Input(ACE-816AP/ACE-916AP)  
95V AC~132V AC, 180V AC~264V AC manual switch Input(ACE-816A/ACE-916A)  
18V DC~32V DC Input(ACE-815C), 36V DC~72V DC Input(ACE-815C)
- ◆ ACE-816A/AP ACE-916A/AP Output Rating

| Output | Nominal | Regulation | Ripple/Noise | ACE-916A Min. | ACE-916A Max. | ACE-816A Min. | ACE-816A Max. | ACE-916AP Min. | ACE-916AP Max. | ACE-816AP Min. | ACE-816AP Max. |
|--------|---------|------------|--------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 1      | +3.3V   | ±5%        | 50mV         | -             | -             | 0.2A          | 16A           | -              | -              | 0.3A           | 10A            |
| 2      | +5V     | ±5%        | 50mV         | 1.0A          | 15A           | 1.0A          | 15A           | 1.0A           | 16A            | 1.0A           | 14A            |
| 3      | +12V    | ±5%        | 120mV        | 0.2A          | 10A           | 0.2A          | 12A           | 0.5A           | 6A             | 0.3A           | 4.2A           |
| 4      | -12V    | ±10%       | 120mV        | 0A            | 0.3A          | 0A            | 0.3A          | 0A             | 0.3A           | 0A             | 0.3A           |
| 5      | +5Vsb   | ±5%        | 100mV        | -             | -             | 0A            | 2A            | -              | -              | 0A             | 2A             |

ACE-916A: The output of +5V and +12V total output shall not exceed 146.4W, Total output maximum 150W

ACE-816A: The output of +3.3V and +5V total output shall not exceed 61.5W, The +3.3V and +5V, +12V total output shall not exceed 136.4W, Total output maximum 150W

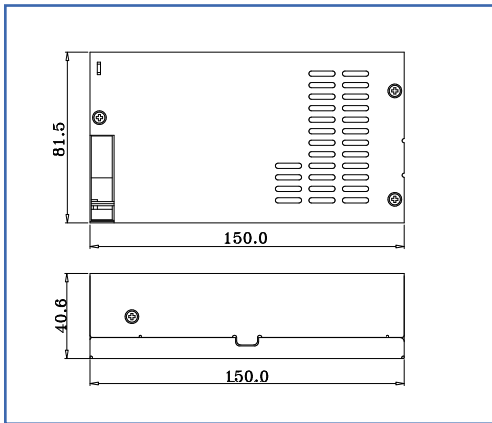
ACE-916AP: The output of +12V and +5V total output shall not exceed 145W, Total output maximum 150W

ACE-816AP: The output of +3.3V and +5V total output shall not exceed 85W, Total output maximum 150W

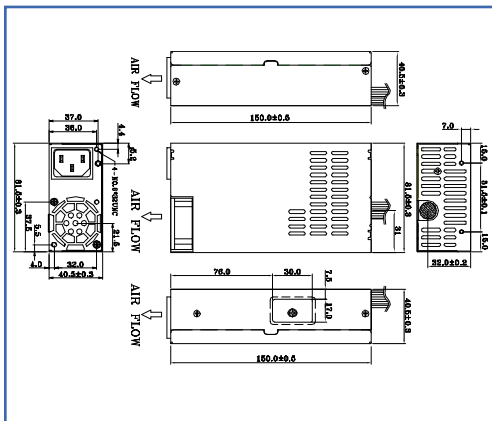
- ◆ ACE-815T Output Rating

| Output | Nominal | Regulation | Ripple/Noise | Min. | Max.  |
|--------|---------|------------|--------------|------|-------|
| 1      | +3.3V   | +/-5%      | 50mV         | 0.0A | 10.0A |
| 2      | +5V     | +/-5%      | 50mV         | 0.0A | 14.0A |
| 3      | +12V    | +/-5%      | 120mV        | 0.0A | 4.2A  |
| 4      | -5V     | +/-5%      | 100mV        | 0.0A | 0.3A  |
| 5      | -12V    | +/-10%     | 120mV        | 0.0A | 0.3A  |
| 6      | +5Vsb   | +/-5%      | 100mV        | 0.0A | 2.0A  |

### Dimensions: ACE-815T/815C



### Dimensions: ACE-816AP



The +3.3V and +5V, +12V total output shall not exceed 136.4W,

- ◆ ACE-815C Output Rating

| Output | Nominal | Regulation | Ripple/Noise | Min. | Max.  |
|--------|---------|------------|--------------|------|-------|
| 1      | +3.3V   | +/-5%      | 50mV         | 0.0A | 4.0A  |
| 2      | +5V     | +/-5%      | 50mV         | 0.0A | 13.0A |
| 3      | +12V    | +/-5%      | 120mV        | 0.0A | 2.5A  |
| 5      | -12V    | +/-10%     | 120mV        | 0.0A | 0.3A  |
| 6      | +5Vsb   | +/-5%      | 100mV        | 0.0A | 2.0A  |

The +3.3V and +5V, +12V total output shall not exceed 84W,

- ◆ Hold-up time : 17ms min. (AC Input Power Supply only)
- ◆ Efficiency : 68% typ. (ACE-816AP/916AP); 72% typ. (ACE-816A/916A)
- ◆ Protection : Over Voltage/Load Protection and Short Circuit Protection
- ◆ TTL signal compatible power good signal
- ◆ Vibration : 10-55Hz at 2G 3min. period, 30 min. along X, Y and Z axis.
- ◆ Shock : 10G for 11ms once on each X, Y and Z axis.
- ◆ Built-in cooling fan
- ◆ Power Connector: ATX (ACE-816A/AP/815T/815C) ; P8/P9 (ACE-916A/AP)
- ◆ MTBF : 100,000hrs at 25°C
- ◆ Safety : TUV, CCC (ACE-816AP/916AP), UL 1950, CSA 22.2 Level 3, Meets CE.(ACE-816AP/916AP)
- ◆ EMI : Meets FCC class "B", EN55022 class "B"  
Meets Harmonic EN61000-3-2 (ACE-815AP, ACE-915AP)
- ◆ EMS Standard : meet - IEC 801-2 8KV(Air Discharge)  
- IEC 801-3 3V/M criteria A  
- IEC 801-4, 2KV criteria B  
- IEC 801-5, 2KV criteria B
- ◆ Operating temperature : 0-50°C

## ORDERING INFORMATION

- ACE-816A 150W ATX Power Supply
- ACE-816AP 150W ATX Power Supply full Range with PFC function
- ACE-815T 150W 48VDC ATX Input Power Supply
- ACE-815C 100W 24VDC ATX Input Power Supply
- ACE-916A 150W AT Power Supply
- ACE-916AP 150W AT Power Supply full Range with PFC function