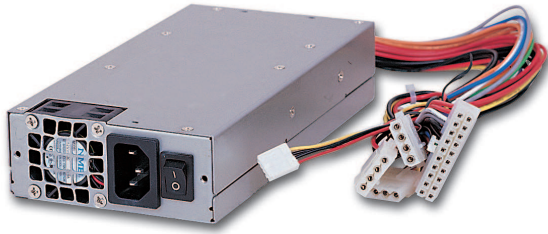


# ORION-A1501

150W 1U ATX power supply with active PFC



## SPECIFICATION

|                            |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| Input Voltage              | 90V ~ 264V AC, full range                                         |
| Input Frequency            | 47 ~ 63 Hz                                                        |
| Input Current              | 4A@115V, 2A@230V                                                  |
| Efficiency                 | > 65%                                                             |
| Holdup Time                | 16 ms. at full load                                               |
| Over Voltage Protection    | +5V: 5.6~6.6V; +3.3V: 3.6~4.2V; +12V: 13.2~14.6V                  |
| Over Power/Load Protection | Output power over 110% ~ 160%                                     |
| MTBF                       | 84,228 hrs                                                        |
| EMI & Safety Approval      | UL, cUL, TUV, CE, FCC                                             |
| Temperature/Humidity       | Operating: 0 ~ 40°C, 20 ~ 90%RH<br>Storage: -20 ~ 60°C, 5 ~ 95%RH |
| Dimension (WxDxH)          | 100 x 190 x 40 mm; 3.9" x 7.48" x 1.57"                           |

## FEATURES

- Low profile power supply suitable for 1U and node chassis
- Active PFC, full-range input
- Higher +5V and +3.3 V output
- Max. +5V standby output is 1.5A

## ORDERING GUIDE

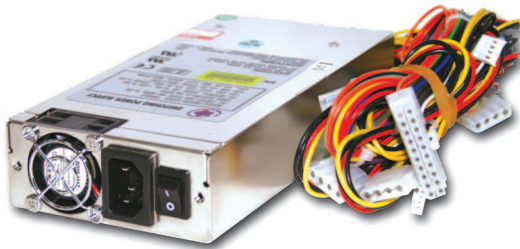
- **ORION-A1501**  
150W 1U ATX power supply with active PFC

## DC OUTPUT

|            | +5V   | +3.3V | +12V  | -5V  | -12V | +5Vsb |
|------------|-------|-------|-------|------|------|-------|
| Max. Load  | 14A   | 10A   | 6A    | 0.5A | 0.8A | 1.5A  |
| Min. Load  | 2A    | 1A    | 1A    | 0.1A | 0.1A | 0.1A  |
| Max. Watt. | 135W  | 135W  | 135W  | 2.5W | 9.6W | 7.5W  |
| Load Reg.  | ±5%   | ±5%   | ±5%   | ±5%  | ±10% | ±5%   |
| Cross Reg. | ±5%   | ±5%   | ±5%   | ±5%  | ±10% | ±5%   |
| Line Reg.  | ±1%   | ±1.5% | ±0.8% | ±1%  | ±1%  | ±1%   |
| Ripple     | ±1%   | ±1.8% | ±1%   | ±2%  | ±1%  | ±1.2% |
| Noise      | ±1.4% | ±2.1% | ±1%   | ±2%  | ±1%  | ±1.4% |

# ORION-A2501

250W 1U ATX power supply with active PFC



## SPECIFICATION

|                            |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| Input Voltage              | 90V ~ 264V AC, full range                                         |
| Input Frequency            | 47 ~ 63 Hz                                                        |
| Input Current              | 6A@115V, 3A@230V                                                  |
| Efficiency                 | > 65%                                                             |
| Holdup Time                | 16 ms at full load                                                |
| Over Voltage Protection    | +5V: 5.4 ~ 6.5V; +3.3V: 3.9 ~ 4.4V; +12V: 13.6 ~ 15.6V            |
| Over Power/Load Protection | Output power over 110% ~ 160%                                     |
| MTBF                       | 105,405 hrs                                                       |
| EMI & Safety Approval      | UL, cUL, TUV, CE, FCC, CCC                                        |
| Temperature/Humidity       | Operating: 5 ~ 40°C, 20 ~ 90%RH<br>Storage: -20 ~ 60°C, 5 ~ 95%RH |
| Dimension (WxDxH)          | 100 x 190 x 40.5 mm; 3.93" x 7.48" x 1.59"                        |

## FEATURES

- Low profile power supply suitable for 1U and node chassis
- Active PFC, full-range input
- Support for Intel® Pentium® 4 processor
- Total output power of +5V, +3.3V and +12V is 234W

## ORDERING GUIDE

- **ORION-A2501**  
250W 1U ATX power supply with active PFC

## DC OUTPUT

|                | +5V  | +3.3V | +12V  | -5V   | -12V  | +5Vsb |
|----------------|------|-------|-------|-------|-------|-------|
| Max. Load      | 24A  | 20A   | 12A   | 0.5A  | 0.5A  | 1.5A  |
| Min. Load      | 3A   | 1A    | 2A    | 0A    | 0A    | 0.1A  |
| Load Reg.      | ±5%  | ±5%   | ±8%   | ±10%  | ±10%  | ±5%   |
| Line Reg.      | ±1%  | ±1%   | ±1%   | ±1%   | ±1%   | ±1%   |
| Ripple & Noise | 80mv | 80mv  | 120mv | 150mv | 150mv | 80mv  |