

# Aitech U-P2330

## Rugged 3U SOSA™ Aligned Power Supply Card



The U-P2330 is an advanced, feature-rich, high-efficiency 3U power supply for modern, power-hungry, integrated, rugged embedded systems aligned with SOSA. It includes support for up to 600W output power, or 1200W via a VITA 62-compliant sharing mechanism that combines two PSCs. The versatile, reliable U-P2330 offers up to 88% efficiency and features numerous protection mechanisms both for input and output power. An optional holdup capacitor bank provides the ability to shut down the system in an orderly fashion, in the event of power failure.

*The U-P2330 expands Aitech's comprehensive SOSA aligned product line, including: U-C5300, U-C8770 and U-C9140*



See Our Entire SOSA Aligned Portfolio

### TECHNOLOGY HIGHLIGHTS & CUSTOMER BENEFITS

- High power output up to 600W with 1200W option when 2 PSCs are combined (VITA 62)
- Aligned with the SOSA technical standard, allows faster fielding and significantly lower integration costs
- High efficiency (88%) power supply assures input power is not wasted
- Improved power feed resiliency and power stability through a wide variety of isolation and protection mechanisms
- High availability through redundancy protection and optional holdup capacitor bank
- Lower cost of ownership through COTS Lifecycle+™ obsolescence management
- Reduced time to market using our in-house hardware and software design services

### PRODUCT APPLICATIONS & TARGET MARKETS

- Mission Computers for SOSA Aligned Mil/Aero Platforms
- SOSA Sensors
- Sensor Signal Processing
- Signal Intelligence
- Electronic Warfare



### KEY PRODUCT INSIGHTS

High efficiency power supply aligned to SOSA Technical Standard Edition 1.0	No minimum load requirement
3U conduction-cooled 2LM form factor	Input/output and chassis isolation; input reverse polarity protection
Up to 600W (single) or 1200W (dual with VITA 62 sharing mechanism), 88% high efficiency, wide input range	Input transient protection per MIL-STD-704 and MIL-STD-1275
Two SOSA aligned standard output power supplies, +12 V and +3.3 V_AUX	Output over/under voltage, short circuit and over-temperature protection

As a pioneer in the field of computing technologies, Aitech provides reliable, rugged embedded systems for the harshest, most unforgiving operating environments across the globe to secure a better tomorrow.

Contact Aitech Today!

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