

GaN in PC Gaming Power Supplies



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High performing ATX power supplies are used by PCs driving artificial intelligence (AI), cryptocurrency mining, Esports, gaming, and more. To support these markets, Taiwanese OEM Wentai Technology Corporation developed its first Titanium ATX gaming power supply series called Aidan.

The new series' flagship product, the Aidan-T1616, notably outperforms the company's Silicon-based 1.28 kW PSU in the same form factor. The performance advantages are made possible due to Wentai's use of Transphorm's TP65H050WS Gen III 50 milliohm GaN FET in an interleaved CCM boost PFC.

Wentai intends to build out the Aidan product line with 777 W, 888 W, 1111 W, 1288 W, 1388 W PSUs.

The Aidan-T1616



WENTAI

Transphorm GaN benefits:

- 95% power efficiency
- 20% power density increase
- 1% higher efficiency at 50% full load
- 26% more power output
- 80 PLUS® Titanium rated
- Low noise, fully modular