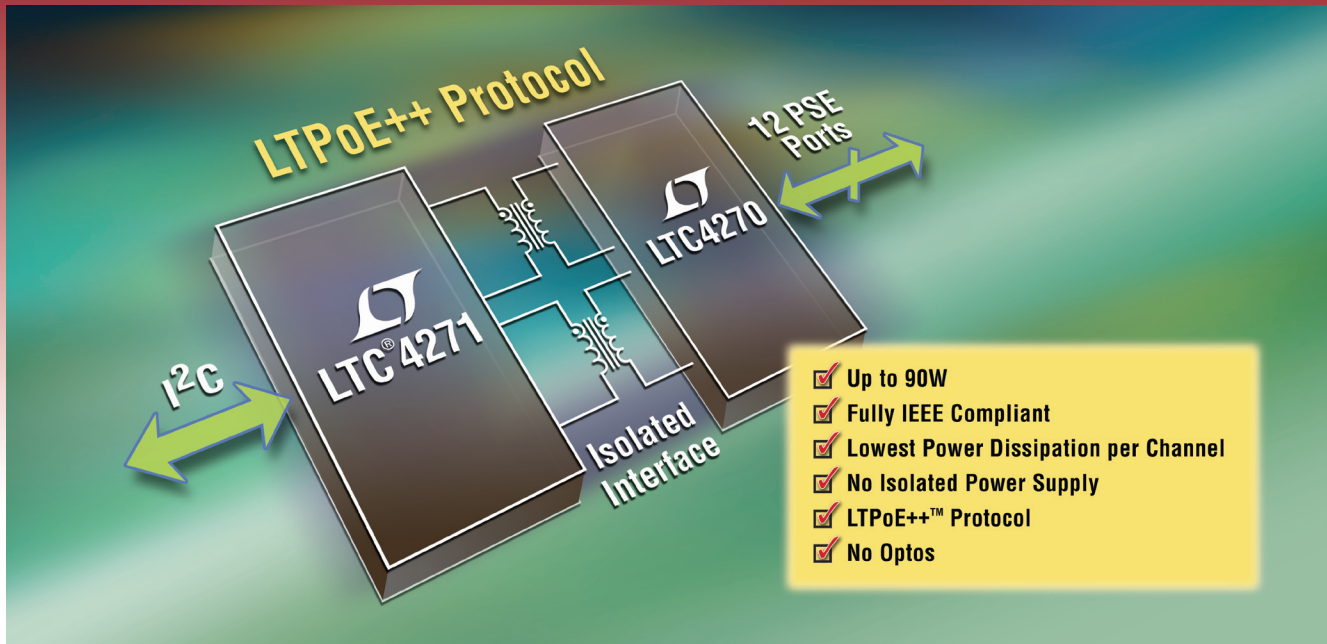


Isolated 12-Port PoE



Highly Integrated Solution Dramatically Reduces BOM Cost

Linear's new 12-port PSE controller chipset for PoE, PoE+ and LTPoE++ systems significantly reduces Power over Ethernet system costs. The LTC[®]4270/4271 chipset's transformer-isolated communication protocol simplifies designs by replacing the expensive opto-couplers and complex isolated 3.3V supply used in traditional designs. LTPoE++ PSEs and PDs use Linear's proprietary signaling scheme to mutually identify and provide PD power up to 90W, while ensuring backward compatibility and interoperability with equipment based on IEEE PoE standards.

▼ Features

- 12 PSE Channels Compliant with IEEE 802.3at Type 1 & 2
- Chipset Provides Electrical Isolation
 - Eliminates up to 6 High Speed Opto-Couplers
 - Eliminates Isolated 3.3V Power Supply
- Low Power Dissipation
 - 0.25Ω Sense Resistance per Channel
- Very High Reliability 4-Point PD Detection
- Available in Three Power Grades
 - A Grade: LTPoE++ 38.7W to 90W
 - B Grade: PoE+ 25.5W
 - C Grade: PoE 13W

▼ Linear Technology 12-Port PSE Controllers

Part Number	Isolation	LTPoE++	PoE+	PoE	PD Power
LTC4271/70A	Transformer	•	•	•	90W
LTC4271/70B	Transformer		•	•	25.5W
LTC4271/70C	Transformer			•	13W
LTC4272A	External	•	•	•	90W
LTC4272B	External		•	•	25.5W
LTC4272C	External			•	13W

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www.linear.com/PoE

1-800-4-LINEAR

