

Thinlabs Awarded U.S. Patent for Revolutionary Single PoE Connection Multi-Screen Computer Power Management System

Thinlabs announced it has been granted a patent for its groundbreaking PoE solution to power multiple monitors & computer using a single PoE cable connection.

LANGHORNE, PA, UNITED STATES,
September 19, 2025 /

EINPresswire.com/ -- Thinlabs, a leading innovator in sustainable computing solutions, today announced it has been granted U.S. Patent US 12,360,775 B2 for its groundbreaking "Power management system and method for operating multiple high-powered components of a computer

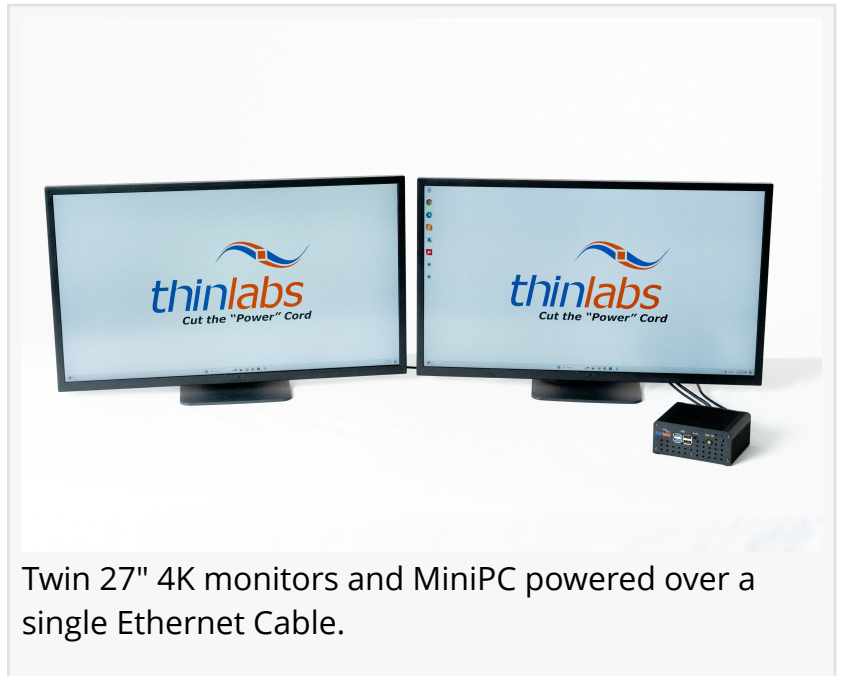
using a single power-over-Ethernet cable connection." This pioneering invention enables simultaneous powering of a [computing device](#) and up to four monitors through a single 802.3bt Type 3 (90W) Power-over-Ethernet (PoE) connection.

The patented technology represents a major advancement in computer power management, delivering substantial benefits across modern office environments, retail spaces, healthcare facilities, and manufacturing sites. Key advantages include:

“

Our patented technology represents a massive step forward in creating more efficient, flexible, and sustainable power solutions for modern workplaces.”

JR Mundkur



Twin 27" 4K monitors and MiniPC powered over a single Ethernet Cable.

clutter while offering greater flexibility in device placement

- Enhanced safety and reliability: Leverages the inherent safety and efficiency of PoE DC power

technology

- Accelerated deployment: Streamlines computer system installations, saving significant time and resources during roll-outs

"We are incredibly excited about the granting of this U.S. patent," said JR Mundkur, CEO of Thinlabs. "This invention demonstrates our unwavering commitment to developing cutting-edge, efficient, and sustainable computing solutions across industries. Our patented technology represents a massive step forward in creating more efficient, flexible, and sustainable power solutions for modern workplaces, empowering businesses to achieve greater operational efficiency and environmental responsibility."

The breakthrough is achieved through high-efficiency processing and the elimination of wasteful AC-DC conversions that plague traditional computing setups. With a proven track record of over 60,000 PoE computers deployed in the field, Thinlabs' technology boasts a mean time before failure (MTBF) of approximately 1.4 million hours – roughly 2.5 times the average human lifespan.

"This is proven technology with exceptional reliability," Mundkur added. "As organizations increasingly demand power efficiency and reduced energy consumption, our multi-screen PoE solution is positioned to revolutionize how computers have been powered for decades." Thinlabs' PoE computers represent the most significant innovation in the end-user computing space in recent years, addressing the growing demand for sustainable, efficient technology solutions that reduce both energy consumption and resource waste.

Ravi Ramanuja
Thinlabs Inc
+44 7863 883600
ravi.ramanuja@thinlabs.net
Visit us on social media:
[LinkedIn](#)
[Bluesky](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/850665712>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.