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Booth 3-443

Uncompromising Reliability: The Go-To Wide-Temp Solutions for Factory & Edge

Discover GIGAIPC's x7433RE Wide-Temp Series Validated for -40°C to +85°C Operation

Written by GIGAIPC Team

As industrial application moves beyond controlled environments into rugged real-world settings, from smart factories and outdoor kiosks to transportation hubs and remote edge sites, businesses need solutions that withstand extreme temperatures, dust, vibration, and 24/7 operation.

To provide a ruggedized solution, GIGAIPC's x7433RE wide-temperature series is the go-to platform for next-generation industrial and edge computing. Powered by the Intel Atom® x7433RE processor, both the PICO-x7433REAT and QBiP-x7433REAT are validated for -40 to +85 °C with sustained performance, delivering dependable uptime in harsh environments.

PICO-x7433REAT: Ultra-Compact, Built for Extremes

Measuring just 100 × 72 mm, the PICO-x7433REAT delivers robust performance in a remarkably compact footprint. It supports DDR5-4800 memory, drives two independent displays (HDMI and LVDS), and features dual GbE plus flexible expansion via M.2 M-Key for storage and M.2 E-Key for Wi-Fi/Bluetooth. It's an ideal fit for space-constrained deployments such as outdoor kiosks, portable test equipment, industrial panel PC, and environmental monitoring system.

QBiP-x7433REAT: The Versatile 3.5" Powerhouse

For projects that demand maximum connectivity, the QBiP-x7433REAT 3.5" SBC delivers rich I/Os. It features dual 2.5GbE LAN ports for high-speed networking and supports up to three independent displays (2x HDMI and LVDS). Designed for complex integration, it offers 4× COM, 6× USB, and 8-bits GPIO/SMBus for precise sensors and control, along with an integrated audio support for voice prompts and alerts. This rugged board ensures stable operation in demanding environments, such as factory control systems, edge AI computing, or real-time monitoring displays.



GIGAIPC™

Built to Withstand Extreme Temp. ❄️ 🌡️ ☀️

The Go-To Wide-Temp Solutions for Factory & Edge

QBiP-x7433REAT **PICO-x7433REAT**

QBiP-x7433REAT

- 3.5" SBC
- Intel Atom® x7433RE Processor
- Single Channel DDR5, 1x S0-DIMM
- 2 x 2.5GbE LAN Ports
- 1 x SATA 6Gb/s Port
- HDMI, LVDS ports for multiple display

PICO-x7433REAT

- PICO-ITX form factor
- Intel Atom® x7433RE Processor
- Single Channel DDR5, 1x DIMM
- 1 x HDMI Port
- 1 x USB 3.2 Gen 1
- 1 x USB 3.2 Gen 2x1

Related products - GIGAIPC x7433RE series

- Industrial Motherboard: [QBiP-x7433REA](#)
- QBiX-Mini system: [QM-7433REA-A1](#)

About GIGAIPC

GIGAIPC, a specialized subsidiary of GIGABYTE focused on industrial computer manufacturing, provides a comprehensive range of global industrial computing solutions. The company's extensive product line includes industrial motherboards, embedded systems, smart display modules, AIoT application solutions, and customer-centric design services. Committed to delivering high-quality products and outstanding service, GIGAIPC actively implements its solutions across various sectors such as factory automation, smart retail, transportation, education, and healthcare.