



X45G - Fanless Industrial Mini PC

Core i7 8565U, 16GB DDR4 RAM, 512GB SSD, Dual NIC LAN, 6*COM, 6*RS232, 6*USB, Windows 10 Pro, HD Wi-Fi, US power adapter, -20°C- 60°C

X45G Overview

DR DAS, LTD has worked directly with our manufacturing partner to develop this Data Acquisition PC specifically for use in air quality monitoring networks. The X45G is an embedded fanless industrial computer, ensuring quiet and maintenance-free 24/7 operation. It is equipped with an Intel 8th Gen Core i7-8565U Processor and paired with an impressive set of features that make it suitable for a variety of applications in demanding environments.

Key Features:

- **Processor:** Intel® Core™ i7-8565U Processor with 8M Cache, clocking speeds of up to 4.60 GHz, ensuring high-performance processing power.
- **Memory:** 16 GB DDR4 SODIMM RAM is installed, with the capacity to upgrade to a maximum of 32GB for more demanding applications.
- **Communication Ports:** The X45G features 6 RS232 COM Ports (4 x RS232/RS485/RS422 + 2 x RS232) for serial communication, enabling versatile connectivity options.
- **Network Ports:** Equipped with two RJ45 LAN ports supporting 1000 Mbps Intel i210/i211 Gigabit Ethernet, ensuring high-speed network connectivity.
- **USB Ports:** Includes 6 USB ports for connecting peripherals and other devices.
- **Operating System:** Pre-installed with Windows 10 Pro, and features an onboard TPM module, making it compatible for future upgrades to Windows 11.
- **Wireless Connectivity:** Integrated HD Wi-Fi, with antennas included, for robust wireless connections.
- **Power Adapter:** Comes with a standard US 120V AC power adapter.
- **Operating Temperature:** Designed to function reliably in a wide temperature range from -20°C to 60°C
- **Additional Features:** Includes Onekey ghost for simplified system restoration, a Watchdog timer for system reliability, and supports PXE Boot for network booting.
- **Fanless Design:** The absence of cooling fans results in lower power consumption, and eliminates dust accumulation and mechanical wear, contributing to the system's reliability and stability.
- **Compact Form Factor:** Its small size makes it easy to integrate into space-limited areas without compromising performance.

In summary, the X45G is a highly reliable and versatile embedded industrial computer with a fanless design. Its impressive processing power, coupled with great of connectivity options and sturdy build, make it suitable for a wide range of data acquisition applications.

