

PALM-SIZED IPC

Controller for industrial IoT solutions

Portwell launched the CAN-connectable Lynx-612B PC of its Lynx-6000 industrial IoT (Internet of Things) gateway series based on Intel Celeron N3350 CPU (formerly Apollo Lake platform).

The device with a two-core CPU (central processing unit) is certified by Microsoft Azure IoT that provides a scalable infrastructure for data, virtual machines, server, and front-end applications. A 4-GiB DRAM (optionally up to 8 GiB) and a 32-GiB eMMC 5.0 (up to 256 GiB) memory is onboard. Windows 10 IoT Enterprise (64 bit) and Yocto v. 2.7 are the supported operating systems.

Beside CAN, the 100 mm x 53,5 mm x 92 mm fan-less PC offers two USB 3.0, a display interface, a Mini-PCIe slot, and an 8-channel GPIO. By supporting up to four Ethernet ports, it can work as an IoT gateway in space-limited automation applications. The M.2 Key E 2230 interface allows for an expansion with a wireless module.

The IP30-protected 0,53-kg PC can be mounted on a DIN-rail or on a wall. Required power input ranges from 12 V_{DC} to 30 V_{DC}. Operating at temperatures from 0 °C to +50 °C is possible. The series is suited for use in industrial automation, facility management, transportation, intralogistics or smart warehouse, testing equipment, electrical charging station management, automated guided vehicle (AGV), IoT data management, and edge computing.



The Lynx-6000 series is used as industrial IoT gateways, edge computing solutions, and industrial automation controllers (Source: Portwell)

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