

Press Release - European Portwell Technology

Ready for publishing:

PORTWELL LAUNCHES COMPACT AND ROBUST IOT GATEWAY PC

Various interfaces and extension options make the Kuber-212G a perfect fit for the IoT arena



Nieuw Vennepe, Netherlands, Mitwell, a Portwell subsidiary (www.portwell.eu) and world-leading innovator for Industrial PC (IPC) and embedded computing solutions, and associate member of Intel® Internet of Things (IoT) Solutions Alliance - today announces the market entry of the Kuber-212G- a compact-sized, fan-less embedded system featuring the latest 14nm Intel® Celeron® N3350 processor (codenamed Apollo Lake). It's compact 99 (L) x 63 (W) x 92 (D) mm design, low power consumption, high-performance computing and powerful graphics engine make the Kuber-212G a perfect IoT gateway for harsh industrial automation applications, factory automation and demanding applications.

The Kuber-212G is packaged in a rugged, fan-less case and features the latest Intel® Celeron® processor N3350 with 4GB (LPDDR4 2400) memory. The new Box PC benefits from about 30% more computing power and 45% more graphics performance compared to the previous generation, and offers powerful Intel Gen9 graphics, with up to 18 execution units, allowing the connection of 4k displays via display port. In addition, the fan-less Kuber-212G operates with a Thermal Design Power (TDP) below 10W

(depends on version) and supports 12-30 VDC +/- 20% power consumption for demanding applications. 32GB (up to 256GB optional) of integrated eMMC, a M.2 Key B2242 and one Mini PCIe - a M.2 Key-E 2230 complete the storage and connectivity expansion options. For local data acquisition and communication, the Kuber-212G offers a broad set of industrial interfaces such as 2xGb Industrial Ethernet (Intel® i210), 2x USB 3.0, 4x USB 2.0 and 2x RS232 (via RJ45). Windows 10 IoT Enterprise and Yocto Linux as operating systems and Microsoft Azure guarantee high flexibility for the use in various IoT-focused applications.

Compared to the general industry standard (EN 61000-6-1), the Kuber-212G is designed for heavy-industry requirements of EN 61000-6-4 (EMI) and EN 61000-6-2 (EMS) and the EMS standards IEC 61000-4-4, 4-6, 4-8, which contain extended EFT, CS and PFMF criteria, which makes it a perfect solution for applications in harsh environment.

Links:

<https://www.portwell.eu/en/products/embedded-system-computing/embedded-system/value-fanless/product/kuber-212g/>

About Portwell

Portwell, Inc., an Associate member of the Intel® Internet of Things Solutions Alliance, designs and manufactures a full range of IPC products (SBC, backplane, redundant power supply, rack mount & node chassis), embedded architecture solutions, DVR system platforms and communications appliances. We provide complete R&D and project management services to decrease customers' time to market, and reduce project risk and cost. Portwell is also an ISO 13485, ISO 9001 and ISO 14001 certified company that deploys quality assurance through product design, verification and manufacturing cycles.

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