

Kontron PCIe Medical LAN Card Is IEC60601-1 Compliant



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Kontron offers the PCIe Medical LAN Card, an IEC60601-1 compliant PCIe Gigabit Ethernet card, which can be used for the direct network connection of conventional IT equipment to medical devices. With this card, expensive medical LAN isolators, which otherwise would have to be inserted between the LAN port and a medical device, are no longer needed, lowering costs and simplifying overall system design.

The new Kontron PCIe Medical LAN Card will find applications in hospitals, rehabilitation centers, doctor's offices, and anywhere where medical devices are connected to conventional workstations or to high-availability archiving, backup, and storage solutions. In order to transmit data between medical devices and systems via Ethernet to non-medical devices in an office or hospital network, the LAN card needs a galvanic separation according to the IEC60601-1 standard, which has already been engineered into the new Kontron PCIe Medical LAN card.

The PCIe 2.0 compliant Kontron PCIe Medical LAN Card is suitable for installation in any PCI Express x1 compatible card slot. Matching slot brackets for full-height or low-profile assembly are included. The long-term available Kontron PCIe Medical LAN Card features either one or two isolated Ethernet 1000Base-T interfaces on RJ45 connectors. Both variants are based on the Intel 82574L GbE controller, which ensures a particularly high level of compatibility and high transfer rates.

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