

Application #015

AMT-N6246 4U/19" Rack Mount PC for Eddy Current Metal Testing



The Product

The AMT-N6246 is a 4U/19" rack mount PC incorporating a Pentium III - 850 CPU, 256MB RAM, A PICMIG Slot Single Board Computer, CDRom, 40GB hard drive, 300 watt power supply and 3.5" floppy disk drive.

The full size CPU card is mounted vertically into the Aaeon passive backplane which gives 7 PCI and 5 ISA extension slots..

The Application

This application involves the use of PC data acquisition to monitor the movement of copper tube and to apply tests using eddy current analysis. This technology applies an emf to the pipes and reports dints in the pipes produced.

By monitoring this, it is possible to automate the process of detection of faulty products, and to assist in maintaining quality control and engaging process improvement. The customer is facilitating this system using some high performance I/O cards, the new Windows 2000 Pro and Labview data acquisition software.

Features

- Pentium III power CPU & 256MB RAM for strong performance.
- Passive Backplane provides add-on for several PCI and ISA cards.
- Industrial 19" rack mount solution
- Local support and manufacture at AVisum Pty Ltd
- Proven performance in previous applications
- Compatible with generic software platforms