

Application #004

AMT-N5734B: 15.1" Panel mount computer in Airfreight machine



The Product

The AMT-N5734B is a rugged panel mount computer incorporating a 15.1" active colour LCD with an embedded Pentium III single board computer. It is set up to run off 240Vac. All connections to the outside world are available on the back of the panel mount frame, such as four COM ports, Ethernet, Audio & Keyboard. It also has Floppy and CD-ROM connectors for ease of downloading new application programs, etc.

The Application

Our customer was after a compact solution for their airfreight machine. The unit is an operator interface that measures the volume of freight that passes by it on a conveyor belt. The system required a high speed CPU (an Intel Pentium III 933MHz) to process the data real-time, as many containers of various sizes move by at a fast pace. The customer wanted to have the system running under Linux. The time taken for them to set up the operating system was reduced significantly, as the Linux drivers for the display, ethernet and audio were already provided by AVisum.

Features

- Low profile full computer and display system.
- Excellent support to run under a Linux OS.
- Local support for repairs, with quick turnaround time.
- Easy to upgrade (for faster CPUs, more RAM, larger HDD space, to include Compact Flash, etc).
- Large 15.1" TFT LCD screen with excellent viewing characteristics and low power consumption, compared to a CRT screen.