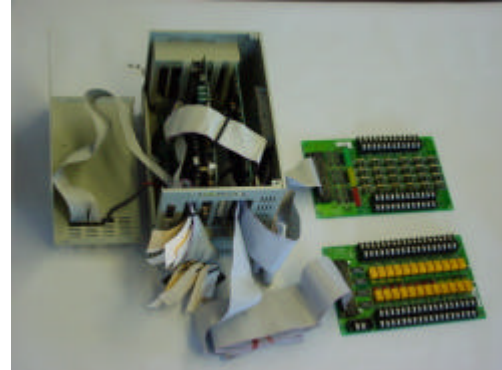


Application #025

AMT-N6491 Half Card Computer System with 48 I/O for (Toll System)



The Product

The AMT-N6491 is a half card PC system incorporating the Aaeon AMPC104 Box, with the Aaeon SBC-558 single board computer c/w Tillamook 266mmx CPU. The system has 2.5" standard hard disk drive, and has 64mb Soddimm RAM onboard; as well as standard 3.5" floppy disk drive, and 4 slot ISA backplane. A 100 watt VLT100-4000 power supply was also used.

In addition, there is also an 8 port PC104 interrupt sharing RS232 communications card built in, and an additional 3 cards for 48 input / output channels. The 3 cards are the PET48DIO (a 48 channel digital I/O ISA card) the TB24P/24 (a 24 volt 24 way opto-isolated external input termination card) and the TB24R/24 (a 24 volt 24 way relay output board).

The Application

The application for this product is for a toll system. The communications ports speak to the various hardware involved in the process of collecting the toll and allowing the passageway of the payer (eg. Boom / Cameras / Coin collection basket / cash register).

The 24 digital I/O units are used for feedback and control of the various actuators within the system (eg solenoids, reed switches, traffic lights).

Features

- Sourced and built in-house at AVisum Pty Ltd.
- The ISA card format for low cost.
- Our ability to meet the required budget.
- 8 Port PC104 interrupt sharing communications card
- We could supply both the PC and the I/O cards.