

Application #027

AMT-N6416 Wireless LAN Split System (Train / Forklift Tracking)



The Product

The AMT-N6416 is a development from application # 001, whereby the screen and the CPU box have been split.

The CPU box houses the Intel Tillamook 266mmx CPU, the Aaeon PCM-5896 single board computer, a PC-104 PCMCIA card carrier c/w a 11Mb/s wireless LAN card; as well as a 2.5" 20Gb hard drive; all powered by 24 volt DC to DC converters.

The lightweight and slimline fully enclosed display consists of a 10.4" TFT LCD LG Philips panel, the ACG-1024 VGA control card, and protected from the front by the 3mm acrylic bezel of the ITKIT-10i4 infrared touchscreen.

A serial cable and a VGA cable couple back to the CPU box to allow the computer display and the touchscreen to function. Power to the display is 24 Volts.

The cable connections are IP65 black molded circular connectors for robustness and durability. On the CPU box there is connectors for 4 x serial comm. Ports (1 is used for the touchscreen), as well as Ethernet, VGA out, Keyboard and mouse, as well as spares for any future cables needed.

The Application

The application for forklift and locomotive tracking; using wireless LAN, GPS positioning and RF communications. The split system was desired to allow a more lightweight monitor to be placed in the view of the driver for safety and convenience..

Features

- custom built at AVisum Pty Ltd.
- 4 comm ports; Wireless LAN compatible; 24 volt powered.