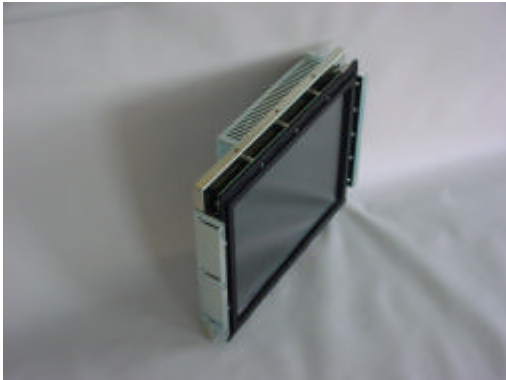


Application #023

AMT-N6441 15.1" TFT LCD Touch Screen Monitor (Food industry)



The Product

The AMT-N6441 is the improved version of the AMT-N6122 touch screen (see application note #12); the improvements being that the screen is now the latest LG Philips LM151X05 TFT display, and the video card has been improved to a higher grade industrial version. Price improvements on these components allowed us to keep the price constant. Application note 12 explains the operation of the unit; whilst this application explains the improvements.

The new screen LM151X05 is the latest improvement from LG Philips. The screen depth is around 6mm as opposed to the old LM151X2 screen which was 10mm; and also the screen performance has better viewing angles and a clearer crisper picture.

We had tried a lower cost commercial control card, to keep the price down but found it wanting for several reasons: if you lined several screens up they all looked different, and if power was lost, the screen had to be manually restarted (by pressing a power button). By using the new low cost industrial card ACG-1024-XGA we eliminated these problems, and kept the price low.

The Application

The touch-screen is used to control a SCADA package used for adjusting set points in and viewing a food related process. The touch-screen has IP65 water ratings, and is resistant to caustics that are used to clean down the process daily. The unit is panel mounted into an existing on-site stainless steel cabinet.

Features

- IP65 Touch-screen Bezel
- Resistive to caustic
- Easy driver set-up: emulates a mouse
- Built and supported by AVisum Pty Ltd in Sydney.