

## Multimedia PoS Terminal

- State of the art multimedia performance
- “Plug, play and forget” with minimal maintenance
- Scalable architecture
- Very low cost of ownership
- Migration path to third generation systems

The ART Multimedia Point of Sale (PoS) Terminal provides an introduction to a family of high performance display devices which are ideally suited to the delivery of PoS information in environments which cannot tolerate a rigorous maintenance schedule.

The use of a high performance RISC processor and an operating system held in ROM results in a system with a low power requirement, low RAM and disc footprint, and low purchase price.

The advanced video capabilities which are common to all ART systems have been optimised here for use with 50-60Hz television displays. Proprietary anti-twitch code delivers a display output which is crisp and flicker free at all times, and MPEG video streams can be dynamically overlaid with text and graphics. A framestore expansion capability allows multiple product views to be displayed on several television displays simultaneously.

A Font Manager which supports fully scalable, anti-aliased fonts removes the need to convert text to bitmaps prior to rendering, dramatically reducing application authoring and update cycles.

Low capital and ongoing costs, exceptional performance, and significant productivity benefits make the Multimedia PoS Terminal an ideal vehicle for in-store information delivery.

# **Technical Overview**

## **32 bit RISC Processor**

- 32MHz ARM 7500, 48Kdhrystones peak
- 4KB instruction and data cache
- Write buffer for enhanced performance
- Fully static operation, low power consumption

## **Memory**

- 4MBytes to 128MBytes of DRAM
- 4MBytes ROM for Operating System

## **Mass Storage**

- 3.5" IDE Hard drive (entry level 420MByte)
- Optional 1.6MByte Floppy disc drive
- Optional CD-ROM drive for mass storage of static or time-based data

## **Video**

- 50Hz flicker free, twitter free display
- Fully scalable, anti-aliased fonts
- 24 bit MPEG output
- Text and graphic overlays on MPEG stream with and without genlock support
- Optional genlock support

## **Audio**

- CD quality stereo with optional surround sound

## **I/O Ports & Interfaces**

- Analogue Touch Screen with medium or high resolution interface options
- 21 pin SCART connector
- High speed serial port
- Bi-directional parallel port
- Optional network interface card (Ethernet, ATM)
- Optional framestore expansion card provides multiple product views on several display devices simultaneously

**To find out more about ART products, please contact:**

tel: +44 1223 577800

fax: +44 1223 577900

email: [sales@art.acorn.co.uk](mailto:sales@art.acorn.co.uk)

www: <http://www.art.acorn.co.uk/>

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