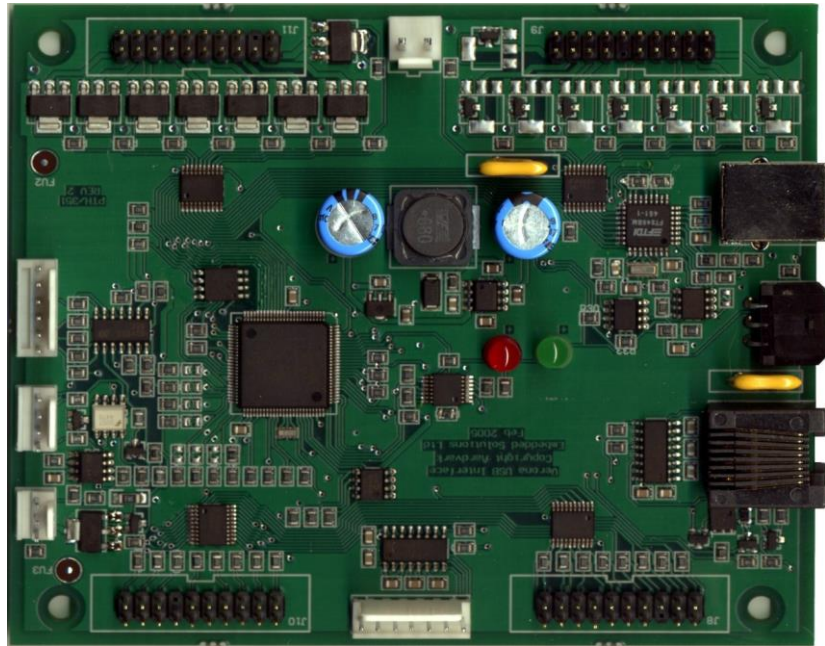**Aardvark Embedded Solutions**

Paylink, product code MIMHEI

Product Description:

What is Paylink?

Paylink represents a quantum leap in flexibility and ease of implementation for anyone who would like to interface money-handling equipment to a Computer.

The Paylink System utilises the AES Milan Intelligent interface which is implemented as a unit that connects to any USB port and operates as a standard "Plug and Play" peripheral device, in order to provide you with an easy machine independent API to connect to any and all Money Peripherals.

The Paylink system is sold for AES by Crane PI, our sales and manufacturing partner.

What does the system do?

The Milan interface connects to the following peripheral types:

❑ cctalk peripherals
❑ MDB peripherals
❑ Two RS232 peripheral channels
❑ 8 High power output (Lamp / Relay)
❑ 8 Low power outputs (LED)
❑ 16 Industry-standard switches
❑ Serial Electronic Meter

Why does that help me?

The Milan Intelligent interface is equipped with a powerful 16-bit microcontroller, which shoulders the responsibility of understanding the diverse protocols required to communicate with these peripheral devices and presenting a single, simple interface to the application programmer in terms of credit received and money paid.

This has a *number* of positive implications for you, the machine manufacturer and for your applications programmers and other technical staff.

❑ Decoupling your application from the peripherals that you need to use to receive credit and pay change or prizes.

   If you attach a bill acceptor, coin acceptor or indeed both to your machine, then your application software never needs to change.

   If you have a coin acceptor and wish to *add* bill validation, then the procedure is as simple as powering down your machine, attaching the new device to the connector present on the standard wiring loom and restarting.

   You are free to change *manufacturer* or *model* of acceptor or payout device and your machine just continues to function seamlessly.

❑ Future-proofing your machine.

Full support is already provided for high-security, state-of-the-art peripherals **today**. As new devices become available, then we will provide support for these new devices.

Simply download an application from the Internet, run it on your machine's PC and the firmware on the Milan Interface will be automatically upgraded to recognise the new, latest peripheral set.

*It may not interest your application programmers to keep implementing new protocols, but it is our **core business** to support the **latest**, **best** and **most cost-effective** peripheral devices for you.*

❑ Cost - the bottom line.

By working hand-in-hand with leading machine manufacturers, this product has been designed to truly *decimate* the manufacturing cost of modern, PC-based machines.

You are only too aware of the cost of manufacture of the machines you make today; the diverse interface boards that you need to interface to different peripherals and the cost of fitting wiring looms between the internal machine components.

Then there's the cost of those hoppers that you currently have to use, to avoid the heartache of implementing that encrypted protocol.

And, of course, nothing will concentrate your suppliers' minds on the prices they offer to you more than the sure and certain knowledge that you are not tied to *their* peripherals.

Let us demonstrate this competitively priced solution to you and then let you calculate for yourself what savings you can achieve on every machine you manufacture.

Security.

Many of the systems in active development involve the handling of large sums of money. For this reason, manufacturers of money handling equipment are increasingly turning to encryption schemes. These prevent the communications between the money handling equipment and the main unit being intercepted.

The Paylink System fulfils two important functions in this area - first, all accessible connections remain encrypted until they are within the highly complex USB bus on the PC, and secondly, the implementation of new encryption schemes is part of our core business and is handled by our experts.

Meters and Logging

As a part of the standard functionality of the Milan Interface board, in-payment and out-payment totals are logged into internal, non-volatile memory.

Support is also provided for an external serial meter, and again the complexity of communicating with such devices is handled by the card, your programmers just get an easy to use interface.

Aardvark Embedded Solutions Ltd.
25 Fletcher Street
Stockport
SK1 1DY
United Kingdom

Telephone: +44 (0)161 285 6877
Facsimile: +44 (0)870 460 3318
E Mail: sales@aardvark.eu.com