

Document accounting platform for Value Added Reseller

COPICODE-IP



Small Ethernet
networked
terminal

Convenient
full keyboard
LCD display

- The most convenient solution for driving photocopiers, printers, doors, etc ...
- Simplification of developing customized solutions for document accounting and tracking



Copicode-IP

■ Principle

Copicode-IP is a low cost small Ethernet networked terminal. Its main target is to drive devices like photocopiers, printers, doors, etc ... under the control of a TCP/IP server developed by a value added reseller (VAR). It features a convenient full keyboard and LCD display in a small and elegant plastic case and powerful network connectivity. It nicely integrates office equipment like photocopiers and printers.

■ Key benefits

It targets the simplification of developing customized solutions for document tracking. It drastically reduces the time to market of your customized solutions by using an embedded Java machine. The Java machine allows writing programs in high level language without the need of having special cross compiler or cross assembler as usually needed for developing application for such small terminals.

With the Java runtime, most of the standard network packages are available so it means it's very easy to write an application for the **Copicode-IP** complying with a client-server model based on TCP/IP sockets.

■ Features

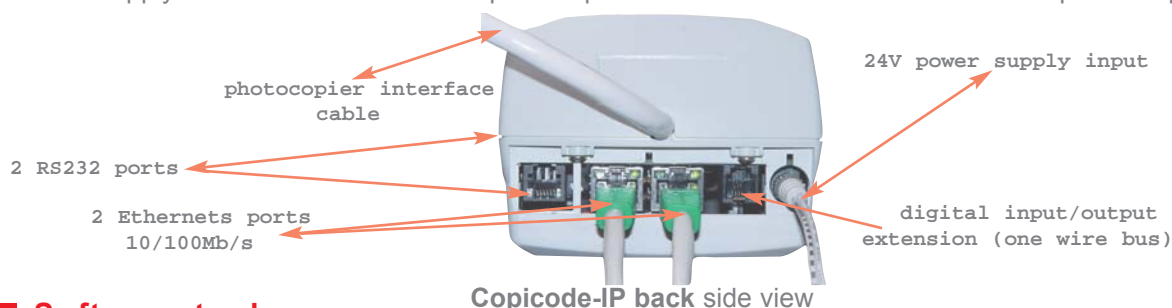
A built-in network-switch simplifies the connection to the network in case there is no possibility to have a spare port available on the customer switch. In such a case, the way to connect the **Copicode-IP** is:

- disconnect the network cable from the printer and connect it to the first RJ45 port of the **Copicode-IP**.
- connect a crossed Ethernet cable between the printer and the second RJ45 port of the **Copicode-IP**.

Two spare RS232 ports allow connecting any serial devices like MIFARE card reader, magnetic swipe reader. Writing an application which uses the track ISO2 of a company cards or even VISA will be easy.

■ Technical data

- TINI OS 1.12, stored in a Flash of 2 Mbytes, supports the JAVA virtual machine and the JAVA run-time.
- RAM of 1 Mbyte with battery back up.
- Clock running with battery.
- TCP/IP over Ethernet 10/100Mhz fully supported by JAVA classes.
- A built-in 2 ports 10/100 Mhz Ethernet switch.
- Two RS232 ports. These ports can be used to drive dumb card readers for smart cards or Mifare cards etc ... It's a way to integrate foreign cards in photocopier applications for example.
- One 1 wire port expanding the number of digital input/output.
- One output relay.
- Three opto insulated input lines. These inputs are JAVA supported with polling methods or with EventListening classes.
- A LCD display of 2 rows of 16 characters. The display is interfaced with a LCDOutputStream class.
- A numerical and alphabetical keyboard with 48 keys. The keyboard is JAVA supported with a KeyboardInputStream class.
- A compact packaging (18 cm x 10 cm) suited to operate with office equipments.
- Power supply can either come from the photocopier 24VDC or from an external 24VDC power supply pack.



■ Software tools

- Standard SUN Java compiler and IDE like JBuilder.
- Code converter for the target micro-controller and standard Java classes.
- CMF classes for special **Copicode-IP** features: display keyboard, photocopier interface.
- CMF examples with client-server oriented applications.

Your local dealer

