

DECODER

# MicroBar 9730

**Benefits:**

- The MicroBar 9730's input device ports are compatible with all Intermec wand, CCD and laser scanners, magnetic stripe readers, slot readers and any RS232C device.
- The 9730 can connect most non-Intermec input devices on the market today.
- Connects to over 1500 interfaces including PC's (IBM®/Compatibles - many keyboard types), Apple®, and a range of terminals including IBM® 3XXX, HP, and Wyse.
- Fast decoding UPC, EAN, ISBT-128, Code 39, Code 128...up to 20 different symbologies can be auto-discriminated and rapidly decoded by the 9730.
- 9730's Data Formatter can be used to format bar codes according to type of symbology, bar code length, data structure, and input port.
- The 9730 offers a variety of commands that can perform various functions, such as searching, deleting, filling, and truncating.
- The 9730 uses the EasySet set-up software for quick and easy installation.
- Flash EPROM is included for ease of future upgrades and as an application platform.

The MicroBar 9730 is a compact universal external decoder and interface adapter that connects Automatic Data Capture (ADC) devices to the widest range of PC's and terminals. The 9730 can be used to decode the output of a simple bar code wand or as a platform for advanced applications. Easy to install, the 9730 can connect multiple ADC inputs (wands, hand-held scanners, magnetic stripe readers, and RS232 devices, and many more) to PC's or terminals via their keyboard or RS-232 ports.

The MicroBar 9730 is suitable for connecting bar code wands and scanners to PC's in home, office, health, libraries, post office and industrial applications, and for connecting multiple input devices to a single terminal in retail.

For advanced users the 9730 is an application platform that provides extremely powerful data formatting capabilities. 20 full ASCII characters can be specified as a pre/postamble. An additional 15 address characters can be added per port. Masking and re-ordering can be performed on up to 120 characters. With 5 masks selectable by symbology, port, length, characters, and 100 characters—all data formatting types. This allows the full power of a bar code system to be applied to specific applications.

Despite its powerful capabilities the 9730 is easy to install. Using EasySet set-up software, with it's simple Windows™ inter-



face, the 9730 is quickly and easily configured for use. All key parameters of bar code symbologies, data format and transmission are made by simple EasySet commands, cloning or bar code menus. EasySet has a unique concatenation feature that allows a complete set up to be printed as one set-up bar code. A single unit connects via keyboard or serial RS-232 ports without modification. This simplifies stocking, reduces delivery time and provides flexibility for future updates of PC's and terminals. The 9730 features a good read LED and buzzer for the operator. In keyboard emulation mode (wedge) the input data appears as if it were keyed in, enabling immediate compatibility with the host's hardware and software. No software tools are required.

# MicroBar 9730

## General Description

Universal solution for connecting data capture devices

Suitable for applications in retail, office, healthcare, libraries and industrial applications

Includes extensive data formatting commands

Connects up to 4 input devices including Laser, Wand and RS232 devices

Wedge, RS232 and dual RS232 (serial) interfaces

## Physical Characteristics

**Height:** 35mm (1.38")

**Length:** 85 mm (3.35")

**Width:** 84mm (3.3")

**Case:** High impact ABS self-extinguishing plastic

## Inputs

Up to 4 inputs via 9 pin D sub, RJ 6 and RJ 10 Pin connectors for hand-held bar code scanners (wand, CCD or laser), fixed bar code scanners, Magstripe readers (decoded or undecoded), badge readers, and serial RS232 TTL/C devices (smart-card, OCR readers, scales, etc.)

## Outputs

Wedge to PC keyboards, including IBM PC's/compatibles, Apple Mac®, and many retail terminals (including IBM® 3XXX, NCR, Wyse, etc.)

## Decoder Performance

UPC E, A, EAN, Code 39; Interleaved, Matrix, Industrial and Standard 2 of 5; Code 128, UCC EAN 128, Codabar, Code 11, Code 93, Ames, MSI, Plessey, Telepen, ISBT-128

## Data Formatting

**Pre- and postambles:** 20 characters + 2 characters for AIM symbology identifiers

**Port address:** 15 characters

**Masking and re-ordering:** Masking by symbology, port address, length of string and presence of specific characters

## Environment

**Operating temperature:**  
-20° to 55°C (-4° to 131°F)

**Storage temperature:**  
-25° to 70°C (-13° to 158°F)

**Relative humidity:**  
Non-condensing (5% to 95%)

**MTBF:** 50,000 hours

**Shock:** Withstands multiple drops of 1.5m (5 ft) to commercial flooring

**Electrostatic discharge:** 8kV to any external surface

## Electrical Characteristics

**Power requirements:**  
+5VDC ±5% or +5-12VDC ±5%

**Current consumption:**  
35 mA no external load

## Advanced Features

User programmability of data format, variable time-out, code identification, preambles and postambles, intercharacter and intermessage delays, and many others

## Set Up

Bar code menus, cloning, or EasySet software

## Regulatory Approvals

EN 55022/CISPR 22 Class B

FCC Part 15 & ICES-003 Class B

AS 3548, C tick Marked

Compliant with all European Directives, CE Marked

Other approvals pending

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