

# Installation & Operation

*P/N 1-960459-00  
Edition 1  
January 1999*

# Intermec External Keyboard

  
*Technologies Corporation*

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# 1. Description

## Application of Use

The External Keyboard (part number 1-200591-02) is an RS 232C keyboard intended for connection to the present range of Intermec Fingerprint-compatible EasyCoder printers, i.e.:

*EasyCoder 201 IIS, E, SA*

*EasyCoder 401, 401 LL*

*EasyCoder 501S, E, SA, XP*

*EasyCoder 601S, E, XP*

## Communication

The keyboard uses the following communication parameters:

Interface: RS 232C

Baud rate: 9600

Parity: None

Character length: 8

Stop bits: 1

The keyboard's communication cable is fitted with a female DB25 connector at the printer end and a mini-DIN connector at the keyboard end. Connect the cable between an RS 232C serial port on the printer (usually "uart1:") and the outer one of the two connectors on the keyboard (the inner one is used for programming, see below).

Note that the keyboard requires +5V (42 mA) from the printer, which in some cases must be enabled by a strap on the CPU-board or interface board, see the Technical Manual or Installation & Operation manual for the printer model in question.

## Programming

The keyboard has a standard U.S. layout, but is fully programmable using special software (see below).

In addition to the standard keys, the keyboard has 32 free keys with clear tops and 16 keys with blind tops, that can be programmed for user applications. The blind tops can be replaced by clear ones and the tops of the lower part of the keyboard can be moved so as to adapt the keyboard for various national standards.

Programming software for Microsoft DOS and various versions of Microsoft Windows are available free of charge at <http://www.tipro.si/Technical.htm> (MIDDOS, MIDWIN, and MIDWINNT). You will also need a PC-to-keyboard cable from Intermec. The PC must have a PS2 keyboard connection.

*Information in this manual is subject to change without prior notice and does not represent a commitment on the part of Intermec Printer AB.*

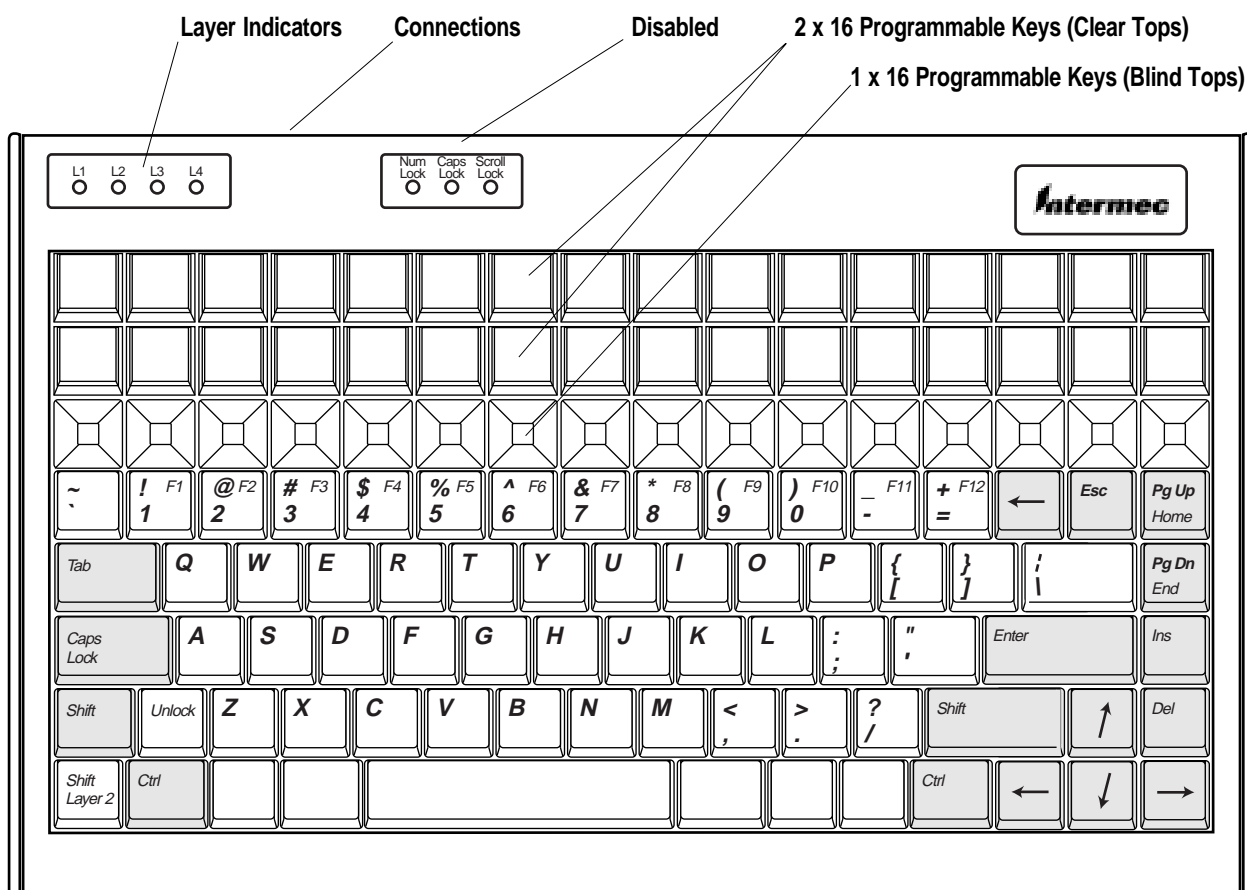
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*Intermec External Keyboard  
Installation & Operation  
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Part No. 1-960449-00*

## 2. Keyboard Layout

### Standard Layout



The keyboard has 4 modes or layers:

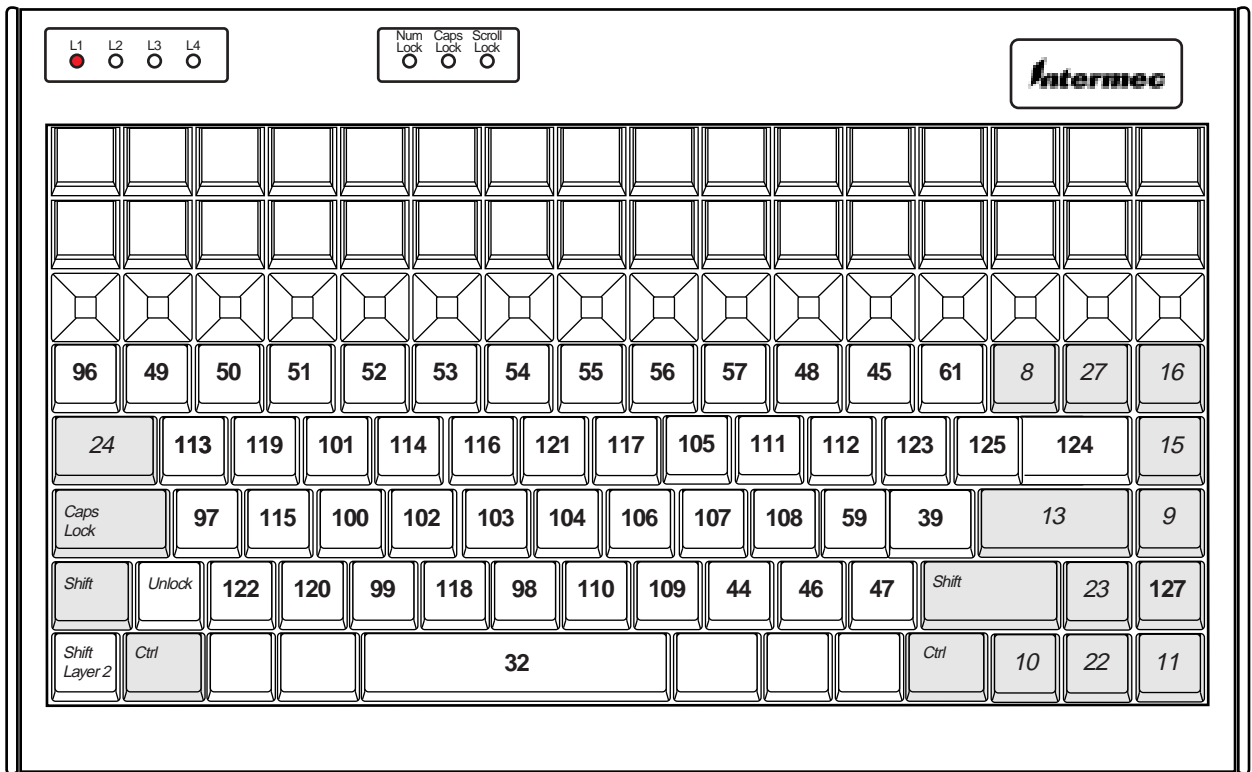
- L1 Unshifted
- L2 Ctrl
- L3 Shifted
- L4 Caps Lock (*deactivated by the Unlock key*)

The selected layer is indicated by a control lamp on the layer indicator panel.

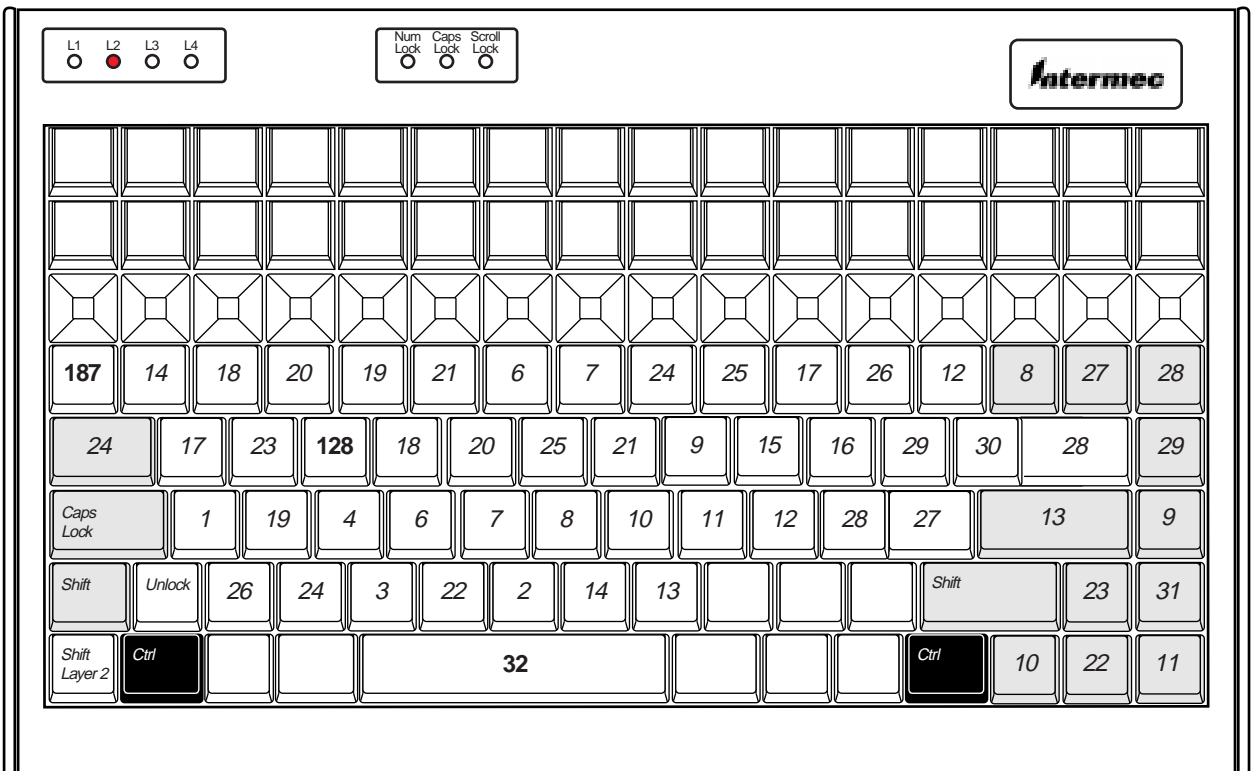
When a key is pressed, the keyboard transmits an ASCII character to the printer. The character is processed in regard of any NASC and MAP statements (see Intermec Fingerprint manuals) and, in case of printable data, produces a character according to the selected character set.

On the pages that follow, the ASCII characters in decimal format for each key and mode combination are shown. **Bold** characters indicate printable characters (ASCII 32–255 dec.) whereas *italic* characters indicate non-printable control characters (ASCII 0–31 dec). Refer to the appropriate version of Intermec Fingerprint Reference Manual for complete national character set (NASC) tables.

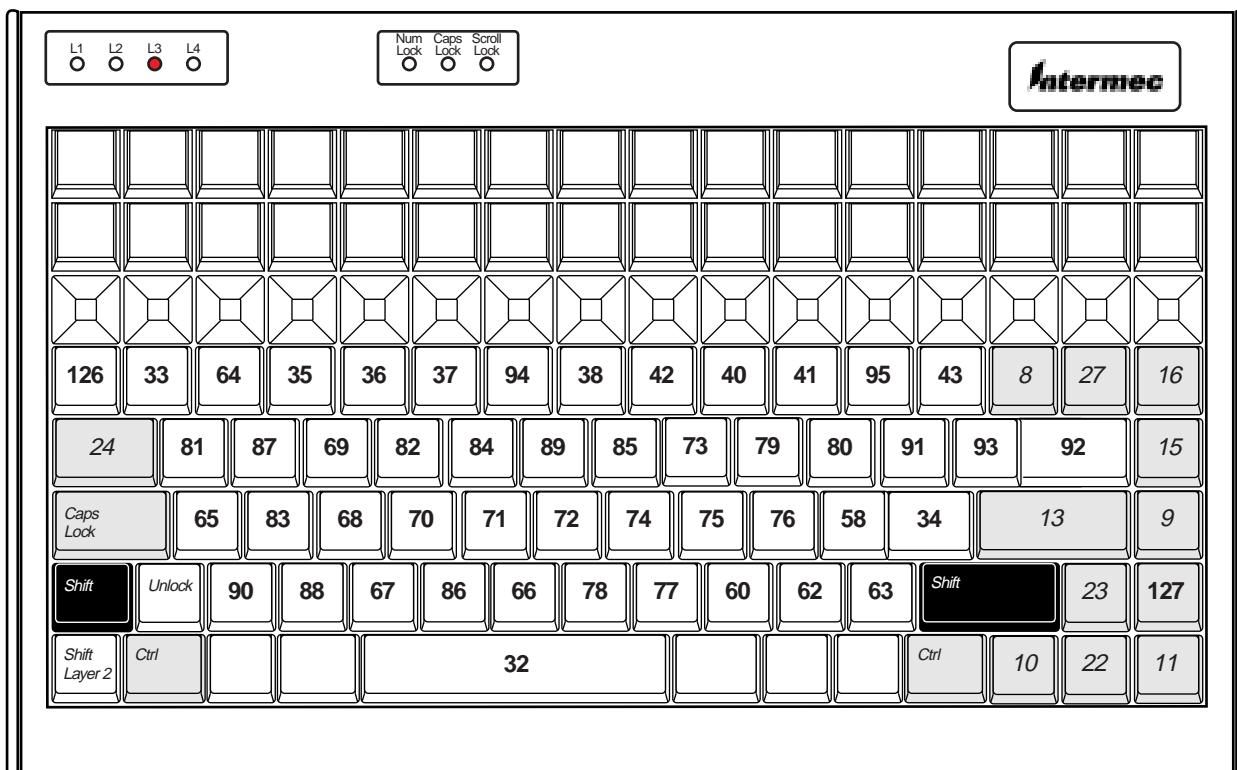
## L1 Unshifted



## L2 Ctrl



### L3 Shifted



### L4 Caps Lock

