



a DOMINET Company



# *cary9000 Series*

## Point-of-sale secure keyboard

The **CARY9000** Series was conceived to replace the standard PC keyboard with one more suited to point-of-sale applications. All data from key-switches, the lock-switch, the intelligent bar code scanner port, and the optional internal magnetic stripe reader is presented to the host PC as keystrokes through the keyboard port.

The ergonomics are optimized for use in a broad range of point-of-sale environments. Careful attention was given to details such as the angle of use, tactile feel, dual-purpose pencil tray or credit card holder, protected key-switch positions, recessed connectors, and integrated peripherals.



### Features/Benefits

- ✓ Cost-effective, secure keyboard is designed to match the functional high-volume durability requirements.
- ✓ Ergonomic design ensures comfortable operation.
- ✓ User-friendly design features improve data accuracy, input speed, and increase security of all transactions.
- ✓ Fully sealed against spills and dust! They have a matchless reputation for durability in tough POS environments, such as fast food outlets and petroleum service stations.

### Overview

In addition to having physically reconfigurable and relegendable keycaps, the **CARY9000** supports a rich set of programmable features, including security options.

The 9000 keyboard incorporates Cary's unique sealed-switch technology, which provides the highest attainable levels of mechanical durability, spill proofing, and static protection. The switch action is designed to emulate cash register-style feel.

The **CARY9000** has been designed to withstand the rough treatment and high volumes encountered in retail point-of-sale, petroleum, and fast food applications.

# Technical Highlights/Specifications

## KEYBOARD

- 57 programmable, re-configurable key-switches
- Optional 56-key membrane with user-replaceable label sheet
- Keycap kit includes numeric pad, single, dual, and quad-sized keytops, multicoloured labels, and clear lenses
- Rugged, splash and dirt-resistant design
- High degree of protection from Electrostatic Discharge (ESD)
- Easy to configure during staging or in the field. Unique design allows any keycap to be repositioned anywhere on the array. No switch or stabilizer changes are required.
- Internal 256 Kbit non-volatile memory
- Optional two-position keylock with manager's position
- Internal programmable beeper

## PERIPHERALS

- Optional internal single or dual-track MSR
- Second AT or PS/2-compatible keyboard port
- Internal wedge
- Scanner port (non-decoded) standard. Decoding is available as an option.
- Optional MICR port
- Optional bar code decoder (wand, laser, 4680, or OCIA)
- Optional optically isolated outputs for cash drawer or security video camera

## PROGRAMMABLE FEATURES (included in setup utility)

- "Total Soft" architecture allows programming of both configuration and firmware updates
- Download or upload using either a PC keyboard or scanner port
- Each key is programmable with a varying length string
- Additional character support is through multilevel CARY<sup>3D</sup> programming
- Automatic repeat (typematic) and audible beeper are selectable on a per-key basis
- Advanced variable-length macro capability allows extensive data manipulation on all keyboard or peripheral programming strings
- Enhanced wedge capabilities include the following:
  - Barcode: preamble and postamble
  - Magnetic stripe: preamble, postamble, and field separator LRC suppression
  - Keylock: Programmable header
- Control of upstream keyboard using a manager's key
- Programmable key output suppression based on keylock position, including Ctrl, Alt, Shift macro capability, and CARY<sup>3D</sup> level shift control

## MEMBRANE EXPANSION MODULE

- Designed to provide retailers with a large number of programmable keys, increasing the total for 57 on the base 9000 to 113
- A new flip-top cover allows you to quickly change the paper label insert for reconfiguration

Dimensions of membrane expansion module

H x W x D: 3.5 x 13.25 x 7.5 inches – 8.9 x 33.7 x 19.1 cm

## ENVIRONMENTAL

- Ambient temperature  
0° to 40°C / 32° to 105° F
- Relative humidity  
20 to 90%

## ELECTRICAL

- Keyboard power  
+5Vdc + 1% 450 mA maximum
- Scanner port power  
+5Vdc = 1% 900 mA maximum
- ESD: 20 Kv minimum, keylock 17 Kv
- EMI-RFI: In accordance with  
FCC Part 15. Subpart B, Class B.
- Rollover: N-Key
- Magnetic stripe: ISO 7811/2/3
- Memory size: 256 Kbits

## MECHANICAL

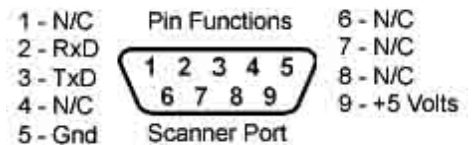
- Width: 13.25"
- Depth: 6.25"
- Height: 2.75"
- Weight: 2.4 pounds / 1.1 kg
- Key-switches: Travel: 3mm  
Actuation force – Function  
keys 40 gm
- Cycle life: 5 million operations (minimum)

## MATERIAL:

- Enclosure: ABS UL 94 HB rated
- Numeric keys: ABS double slot
- Function keys: ABS with clear  
snap-in lenses
- Keylock switch housing:  
6/6 nylon (UL 94V-2)  
Tumblers: Brass  
Keys: 2 sets of three-coated nickel-plated brass
- Switch: Silicon rubber with conductive  
rubber pill contact
- Cable: 6.5 feet / 2 m with molded DIN or  
mini-DIN connector

## COMMUNICATIONS:

- Keyboard port: Upstream AT or PS/2-compatible 5 or 6-pin mini-DIN
- Scanner port: Industry-standard serial scanner interface



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