SEAL SMART™ Keyboard with Integrated Smart Card Reader
Model S103R

100% Waterproof • Spillproof • Dishwasher Safe • Guaranteed

- Dishwasher Safe for easy cleaning
- 100% Waterproof Guaranteed — Seal Shield™ Limited Lifetime Warranty
- Silver Seal™ Protection (antimicrobial plastic reduces bacteria growth on product surface)
- Durable and Safe
- Integrated Smart Card Reader (SCM Microsystems SCR3310v2.0 — FIPS 201 Compliant)
- Plug-and-Play installation
- Ergonomic Comfort
- Patent Pending

![Silver Seal™ Protection](Antimicrobial Product Protection)

Protects Against:

<table>
<thead>
<tr>
<th>SEAL SHIELD™ Protects Against</th>
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<tbody>
<tr>
<td>Water</td>
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<tr>
<td>Disinfectants</td>
</tr>
<tr>
<td>Dust</td>
</tr>
<tr>
<td>Sand</td>
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<tr>
<td>Alcohol</td>
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<td>Blood</td>
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**Card Reader Specifications**

Model: SCM Microsystems SCR3310v2.0 — FIPS 201 Compliant

Host USB Interface:

- Full speed USB 2.0 (12 Mbps)
- USB Bus powered device
- CCID compliant

Smart Card Contact Interface:

- T=0, T=1 protocol support
- Memory card support through SCM MCARD API
- Communication speed (PPS, Fl parameter) up to 412 kbs
- Frequency up to 8 MHz (PPS, Dl parameter)
- Supports ISO 7816 smart card Class A, B, C
- 8 contacts - ISO 7816 location
- Friction contact, 100,000 insertions

Human Optical Interface:

- One green LED

Software API Interface:

- PC/SC
- CT-API (thru wrapper on top of PC/SC)

Functional Approvals:

- (FCC Class B part 15), (cULus)(CE)(VCCI)
- (ICES-003 Issue4 ClassB)
- (USB-IF)
- (Microsoft® WHQL 2000, XP , Server2003, Vista, Win7)
- (EMV 2000 Level 1)
- TAA Certified

Environmental Approvals:

- RoHS, WEEE, REACH compliance

**Keyboard Specifications**

Compatibility: Windows

Key layout: 103 (US) 105 (International)

Dimensions: L x W x H: 15.67in x 8.62in x 1.26in (39.8cm x 21.9cm x 3.2cm)

Cable Length: 6in (15cm) Quick Connect™ with USB extension cable

Connection Types: Gold-plated USB with PS/2 adapter

Key Switch: Membrane key switch with tactile feedback

Key Switch Operating Force: 55 ± 10gf

Key Switch Life Cycle: Greater than 10 million keystrokes

Keycaps Type: Laser etched

Total Key Travel: .157 ± .019 in (4±0.5mm)

Operating Voltage: + 5VDC ± 5%

EMI - RFI: Conforms to FCC rules for a Class B computing device

Approvals/Certifications/Ratings:

- IP 68, NEMA 4X, RohS, WEEE, CE, FCC, TAA

Waterproof and Dustproof Ratings: 100% Waterproof and Dustproof (IP 68, NEMA 4X)

Operating Conditions: 0-50°C, 0-90% Humidity (non-condensing)

Windows®/Mac® Compatible

Mac Compatibility requires OS X 10.5 or later. See product manual for details.

Mac® is a trademark of Apple Inc., registered in the U.S. and other countries. Windows® is a registered trademark of Microsoft, Inc.

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