MCI Keyboard Tech Specs

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MCI 3100 with MSR and Glide pad

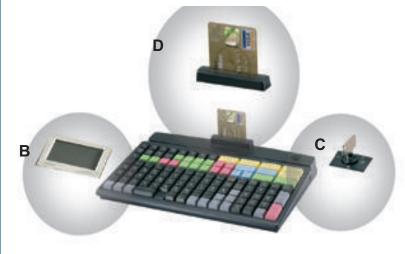
A) Magnetic Stripe Reader (MSR)

- The MSR is compatible with all magnetic cards according with ISO 7810, ISO 7811, ISO 7812, and ISO 7813
- Bi-directional MSR, cards can be swiped in either direction
- 3 tracks, including the ability to read drivers license format AAMVA and CADL
- Expected Magnetic-head life of 500,000 passes
- Error rate less than 0.5%
- · Status LED provides confirmation of a correct read
- · Headers and terminators are programmable

B) Touchpad

A touchpad could be installed in a 3 x 4 key position at the upper left or right corner. In case of the MCI3000, the touchpad option is installed at the arrow keys section. Only available when using USB interface

- Fully compatible with Windows 98, NT 4.0, 2000, XP and Linux native drivers.
- IP 54
- · Capacitive-sensing technology
- No additional drivers are necessary, works as a mouse



Customized MCI 128 with SCR, MSR and Keylock

C) Keylock

- 5 position
- Headers and terminators are programmable
- IP-54 rating for dust and liquid protection
- · Lifetime: 20,000 cycles

D) Smart Card Reader (SCR)

- · Current consumption of 60mA
- USB Interface
- Application Interface PC/SC, OCF and CT-API
- ISO 7816 and EMV 2000 compatible
- · CAC compatible
- Microsoft WHQL certified

Available options per keyboard model

	MSR	Keylock	Smart Card	Touchpad	Alpha layout
MCI 3100	•	•	•	•	• **
MCI 128	•	•	•	•	•
MCI 96	•	•	•	•	•
MCI 84	•	•	N/A	• *	N/A
MCI 60	•	•	N/A	•*	N/A
MSI 60	•	•	N/A	•*	N/A
MCI 30	•	N/A	N/A	N/A	N/A

^{*} Special order

^{**} MCI 3100 only available in Alphanumeric version

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Keys and Keypad

- Life Span > 30 Million Cycles
- Multilayer patented technology provides IP54 protection against dust and spills
- Keys available in Black and White.
 Additional colors on request, minimal order quantities apply
- · Customized keys available
- Key spacing
 Actuation travel
 Actuation Force
 Impact stability
 Bounce Time
 19 mm
 3.5 mm
 0.6 N
 10 N, 1 min
 5 ms max.
- Contact Resistance 800 ohm max.

Electronics	
Supply Voltage	+ 5 V ± 5%
Current consumption	Max 60 mA
Interface	USB (PS/2 adaptor included). Hard-wired PS/2 interface available upon request. Minimum order quantities apply.
Auto repeat	All keys, repeat frequency and delay time are programmable.
4 Status LEDS	Caps Lock Scroll Lock Num Lock MSR status
Tone Indicator	Accessible via OPOS

Temperature and Environment Ratings				
Operational Temperature	0° C to 50° C			
Air Pressure	700 hPa to 1060 hPa			
Relative Humidity	5% to 93%			
Storage & Transportation	-40°C to 60°C			
Climatic class	DIN-IEC 68, part 1, appendix A			

Materials		
Housing	ABS	
Guide Frame	Polystrol	
Switching Membrane	Polyester	
Spring Elements	Elastomer	
Textile filter	Trevira	
Keys and Keycaps	PBT/POM/PC	

Certifications	
ESD/EMC/EMV	CE Approval
Emissions	•EN55022 •FCC Subpart 15, Class A
Interface Immunity	Electrostatic discharge immunity according to EN 50082-1, resistance limit 8 kV (air discharge). Radiated, radio-frequency electromagnetic field immunity, severity of test 3 V/m.

Drivers and Tools

- OPOS and JavaPOS drivers for MSR, Keylock, Keyboard and Tone Indicator. JavaPOS driver available for Windows and Linux
- Programming tools for Windows and DOS.
- •128 programmable levels.
- User interface
- Remote programming tools (Network)
- WEPOS verified

PrehKeyTec

1130 West Lake Cook Rd Suite 210 Buffalo Grove, IL 60089

Phones: 800 577 7734

847 438 4000 847 438 5522

www.prehkeytecusa.com

Fax: