

MCI Keyboards Tech Specs



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

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



Customized MCI 128 with SCR, MSR and Keylock

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



MCI 128 with MSR

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 19 mm
- Actuation travel 3.5 mm
- Actuation Force 0.6 N
- Impact stability 10 N, 1 min
- Bounce Time 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	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •EN55022 •FCC Subpart 15, Class A
Interface Immunity	<ul style="list-style-type: none"> •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
<ul style="list-style-type: none"> •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



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