MCI Keyboard Tech Specs

MCI Keyboard Tech Specs

3 Track 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

Glidpad

A glidpad could be installed in a 3x4 key position at the upper left or right corner. In case of the MCI3000, the glidpad 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 drivers.
- IP 54
- Capacitive-sensing technology
- No additional drivers are necessary, works as a mouse

5 Positions Keylock with 3 Keys

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

Smart Card Reader (SCR)

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

Keys and Keypad (design see backside)

- 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.

3 Track Magnetic Stripe Reader (MSR)

Glidepad

5 Position Keylock with 3 Keys

Smart Card Reader

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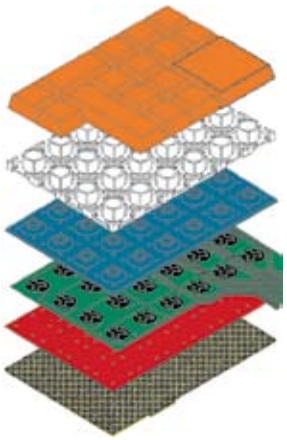
MCI Keyboard Tech Specs



Design of Keys and Keypads
(see front page)

MCI 30 with MSR

Available options per keyboard model

	MSR	Keylock	Smart Card	Glidpad (USB only)	Alpha layout
MCI 3000	●	●	●	●	●**
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 3000 only available in Alphanumeric version

Electronics

Supply voltage	+5 V ± 5%
Current consumption	Max 60 mA (base model)
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	Keyklick or sound via command

Temperature and Environment Ratings

Operational temperature	0°C to 50°C
Air pressure	700 hPa to 1060 hPa
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/PMMA

Certifications

ESD/EMC/EMV	CE Approval
Emissions	EN55022, FCC Subpart 15, Class A
Interface Immunity	Electrostatic discharge immunity according to EN 6100-4-2, 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*

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