

**Standard program  
Keyboards, Keypads  
and Touchscreens**





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## Flexibility, Reliability and Ergonomic Design



Our partners are leading system integrators, users and OEMs in markets in which collecting information gets more and more important and data processing and transfer rates increase. Constantly increasing computer use and the trend towards operator-convenient handling are setting very high standards regarding quality and product utility of our data entry systems. We are meeting these challenges and employ our extensive know-how in development and production specifically for the solution of our customers problems.

To solve individual problems we consider e.g. our modular expansion possibilities, our key exchange technique, individual key labelling, interchangeable menu sheets, high IP-protection classes, a lifetime of more than 30 million actuations, compact design and a functional, ergonomic design and the Universal Serial Bus (USB).

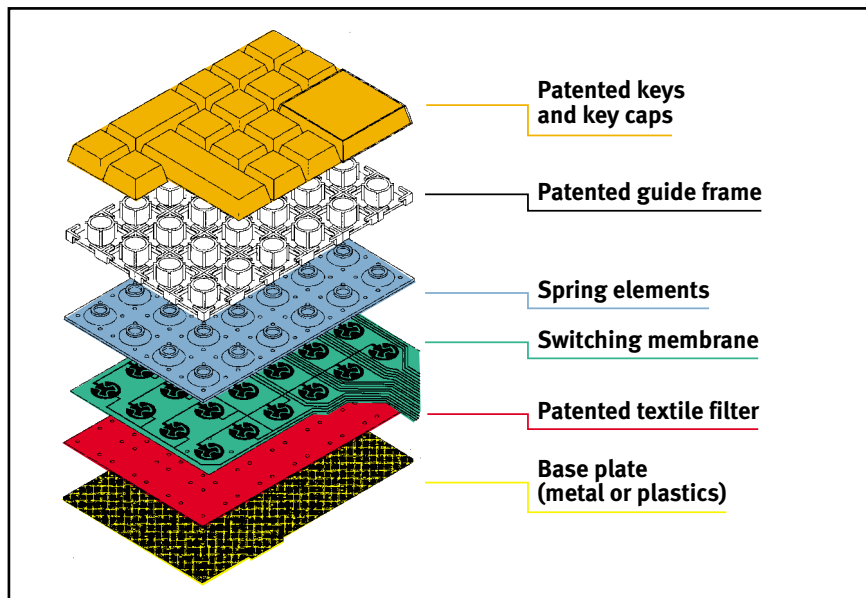
In addition to standard keyboards, Preh also has a lot of know-how and many years of experience in customer-specific OEM and project data entry solutions.

More information about e.g.

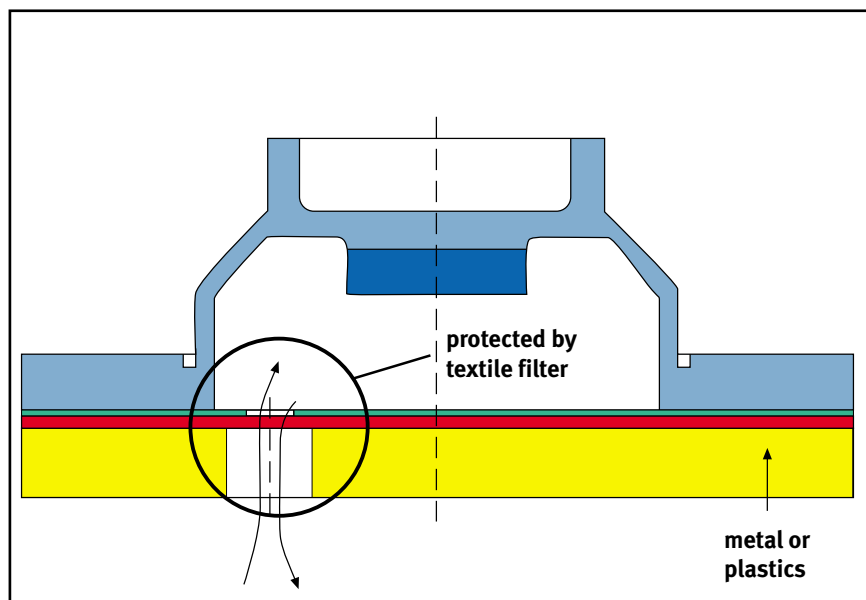
- LC-Display
- Smart card reader
- Magnetic stripe reader (MSR)
- Legic reader (contactless transponder card)
- Biometrics
- Keylock
- Glidepad
- Microjoystick
- Built in barcode decoder
- Interfaces
- USB
- Bluetooth
- Daisy chain socket
- Special cable lock
- Specific key layout
- Laser etched legends
- Customized colors
- Programmability
- Firmware upgrades
- Customized firmware
- OPOS and JavaPOS drivers for Windows and Linux on request

# Switching technology and Filter ventilation system

You can find more details, especially about our latest drivers, manuals and software, on our web page <http://www.preh.de>.  
Peripheral devices and options are planned or already available.  
If you have questions regarding hardware and software please do not hesitate to contact our service-team by fax +49 9771 / 92-173 or by email [tech-support@preh.de](mailto:tech-support@preh.de)  
The following product survey gives you a short information about our **short-term deliverable standard program** of data entry systems.



Patented switching technology



Patented filter ventilation system

## Preh Commander® MC 35 WX (numeric Matrix 7 x 5)



Preh Commander® MC 35 WX (numeric)

### Compact keyboards with magnetic stripe reader (MSR)

#### Special Features

- Compact modular design
- 35 free programmable keys
- Key configuration technique
- Dust- and splash water resistant keypad
- Serial or PS/2-interface
- Daisy-chain socket
- Menu-driven programmer software
- Ergonomic, elegant design

#### Options

- Integrated magnetic stripe reader (MSR)
- Single, double and quadruple keys and covers
- LC-Display (25 free programmable keys)

#### Applications

Retail, restaurants, hotels, gas stations, banking and finance, numeric keyboard etc.

## Preh Commander® MC 80 WX (numeric Matrix 5 x 16)

## Preh Commander® MC 80 WX Alpha (alphanumeric)



Preh Commander® MC 80 WX (numeric)

### Compact Data Entry System with magnetic stripe reader (MSR)

#### Special Features

- Compact modular design
- 80 free programmable keys
- Key configuration technique
- Dust- and splash water resistant keypad
- PS/2-interface
- Daisy-chain socket
- Integrated pen holder
- Menu-driven programmer software
- Ergonomic, elegant design
- Integrated magnetic stripe reader (MSR) (3 tracks)
- Status LEDs

#### Options

- Key lock
- Single, double and quadruple keys and covers
- Alpha key layout (German, French, International)

#### Applications

Retail, restaurants, hotels, gas stations, banking and finance etc.

## Preh Commander® MC 84 WX (numeric Matrix 7 x 12)



Preh Commander® MC 84 WX (numeric)

### Compact Data Entry System with magnetic stripe reader (MSR)

#### Special Features

- Compact modular design
- 84 free programmable keys
- Key configuration technique
- Dust- and splash water resistant keypad
- PS/2-interface
- Daisy-chain socket
- Integrated pen holder
- Menu-driven programmer software
- Ergonomic, elegant design
- Integrated magnetic stripe reader (MSR) (3 tracks)
- Status LEDs

#### Options

- Single, double and quadruple keys and covers

#### Applications

Retail, restaurants, hotels, gas stations, banking and finance etc.

## Preh Commander® MC 128 WX (numeric Matrix 8 x 16)

## Preh Commander® MC 128 WX Alpha (alphanumeric)



Preh Commander® MC 128 WX (numeric)

### Compact Data Entry System with magnetic stripe reader (MSR)

#### Special Features

- Compact modular design
- 128 free programmable keys
- Key configuration technique
- Dust- and splash water resistant keypad
- PS/2-interface
- Daisy-chain socket
- Integrated pen holder
- Menu-driven programming software
- Ergonomic, elegant design
- Integrated magnetic stripe reader (MSR) (3 tracks)
- Status LEDs

#### Options

- Key lock
- Single, double and quadruple keys and covers
- Alphanumeric key layout (German, French, International)

#### Applications

Retail, restaurants, hotels, gas stations, banking and finance etc.

# Preh Commander® MSI 6o

(numeric Matrix 6 x 10)



## Ultracompact point-of-sale keyboard with key lock and magnetic stripe reader (MSR)

### Special Features

- Modular and ergonomic design with very small footprint
- Front of keypad is protected from dust and splashing water by patented filter technique
- 60 programmable key positions
- Patented key exchange technique
- PS/2 interface
- 4 status LEDs
- Menu-driven programmer software
- DOS, Linux and Windows compatibility
- OPOS and JavaPOS drivers for Windows and Linux

### Options

- Key lock
- Integrated **magnetic stripe reader (3 tracks)**
- USB
- Colored keys with lasered key symbols
- Multiple keys and covers

### Applications

Supermarkets, general retail and speciality stores, restaurants, hotels, pharmacies, gas stations, c-stores, banking and finance





Micro-Joystick



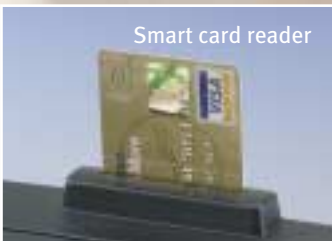
Key Lock



4 status LEDs



Smart card reader



Magnetic stripe reader MSR



**Make your shopping trips faster!  
Now standard in MCI 60 or higher.**

## Preh Commander® MCI 60 (numeric Matrix 5 x 12)



**Extreme compact Point-of-Sale keyboard with MSR and keylock**

### Special Features

- Modular and ergonomic design with space saving footprint
- Keypad (5 x 12) with 60 programmable key positions and patented key exchange technique
- Front of keypad is protected from dust and splashing water by patented filter technique
- PS/2 interface
- 4 status LEDs
- Menu-driven programmer software
- DOS, Linux and Windows compatibility
- OPOS and JavaPOS drivers for Windows and Linux

### Options

- Keylock
- Integrated MSR (3 tracks)
- USB
- Colored keys with lasered key symbols
- Patented multiple keys and covers

### Applications

Retail, Gas stations, Hospitality, Pharmacies

## Preh Commander® MCI 84 (numeric Matrix 7 x 12)



**Extreme compact Point-of-Sale keyboard with MSR and Key lock**

### Special Features

- Modular and ergonomic design with space saving footprint
- Keypad (7 x 12) with 84 programmable key positions and patented key exchange technique
- Front of keypad is protected from dust and splashing water by patented filter technique
- PS/2 interface
- 4 status LEDs
- Menu-driven programmer software
- DOS, Linux and Windows compatibility
- OPOS and JavaPOS drivers for Windows and Linux

### Options

- Keylock
- Integrated MSR (3 tracks)
- USB
- Colored keys with lasered key symbols
- Patented multiple keys and covers

### Applications

Retail, Gas stations, Hospitality, Pharmacies

## Preh Commander® MCI 96 Alpha (alphanumeric)



Preh Commander® MCI 96 Alpha (numeric)

**Ultracompact point-of-sale keyboard with micro joystick and magnetic stripe reader**

### Special features

- Modular and ergonomic design with very small footprint
- Front of keypad is protected from dust and splashing water by patented filter technique
- German, French or international MF keyboard layout
- Programmable key positions
- Patented key exchange technique
- PS/2 interface
- 4 status LEDs
- Menu-driven programmer software
- DOS, Linux and Windows compatibility
- OPOS and JavaPOS drivers for Windows and Linux

### Options

- Micro-joystick or key lock
- Integrated Smart card reader (PC/SC, ISO 7816, GSM 11.11, HBCI, CT-API, EMV)
- Integrated magnetic stripe reader (MSR) (3 tracks)
- USB
- Country-specific keyboard layouts
- Colored keys with lasered key symbols
- Multiple keys and covers

### Applications

Supermarkets, general retail and speciality stores, restaurants, hotels, pharmacies, gas stations, c-stores, banking and finance

## Preh Commander® MCI 96 (numeric Matrix 6 x 16)



Preh Commander® MCI 96 (numeric)

**Ultracompact point-of-sale keyboard with magnetic stripe reader**

### Special features

- Modular and ergonomic design with very small footprint
- Key matrix (6 x 16) with 96 programmable key positions and patented key exchange technique
- Front of keypad is protected from dust and splashing water by patented filter technique
- PS/2 interface
- 4 status LEDs
- Menu-driven programmer software
- DOS, Linux and Windows compatibility
- OPOS and JavaPOS drivers for Windows and Linux

### Options

- Micro-joystick or key lock
- Integrated smart card reader (PC/SC, ISO 7816, GSM 11.11, HBCI, CT-API, EMV)
- Integrated magnetic stripe reader (MSR) (3 tracks)
- USB
- Colored keys with lasered key symbols
- Multiple keys and covers

### Applications

Supermarkets, general retail and speciality stores, restaurants, hotels, pharmacies, gas stations, c-stores, banking and finance

## Preh Commander® MCI 128 Alpha (alphanumeric)



Preh Commander® MCI 128 Alpha

**Ultracompact point-of-sale keyboard with alpha layout**

### Special features

- Modular and ergonomic design with very small footprint
- Front of keypad is protected from dust and splashing water by patented filter technique
- German, French or international MF keyboard layout
- 32 programmable additional key positions
- Patented key exchange technique
- PS/2 interface
- 4 Status-LEDs
- Menu-driven programmer software
- DOS, Linux and Windows compatibility
- OPOS and JavaPOS drivers for Windows and Linux

### Options

- Micro-joystick or key lock
- Integrated smart card reader (PC/SC, ISO 7816, GSM 11.11, HBCI, CT-API, EMV)
- Integrated magnetic stripe reader (MSR) (3 Spuren)
- USB
- Country-specific keyboard layouts
- Colored keys with lasered key symbols
- Multiple keys and covers

### Applications

Supermarkets, general retail and speciality stores, restaurants, hotels, pharmacies, gas stations, c-stores, banking and finance

## Preh Commander® MCI 128 (numeric Matrix 8 x 16)



Preh Commander® MCI 128 (numeric)

**Ultracompact point-of-sale keyboard with key lock and smart card reader**

### Special features

- Modular and ergonomic design with very small footprint
- Key matrix (8 x 16) with 128 programmable key positions and patented key exchange technique
- Front of keypad is protected from dust and splashing water by patented filter technique
- PS/2 interface
- 4 status LEDs
- Menu-driven programmer software
- DOS, Linux and Windows compatibility
- OPOS and JavaPOS drivers for Windows and Linux

### Options

- Micro-joystick or key lock
- Integrated smart card reader (PC/SC, ISO 7816, GSM 11.11, HBCI, CT-API, EMV)
- Integrated magnetic stripe reader (MSR) (3 tracks)
- USB
- Colored keys with lasered key symbols
- Multiple keys and covers

### Applications

Supermarkets, general retail and speciality stores, restaurants, hotels, pharmacies, gas stations, c-stores, banking and finance

# Keypads MTF



## Keypads for customized OEM-solutions

### Special Features

- Number of key positions (e.g. 5x5 matrix) upon request
- MTF-switch technology
- Dust and splash water resistant keypads
- Flextail connector

### Options

- Single, double and quadruple keys and covers
- Key symbols with any written or laser printed labels
- Different key sets

### Applications

OEM-solutions for retail, restaurants, hotels, industry etc

## Preh Commander® PC POS (alphanumeric)



Preh Commander® PC POS (alphanumeric)

**Free programmable alpha keyboard with additional keypad and magnetic stripe reader (MSR)**

### Special Features

- 48 free programmable keys
- 15 free programmable function keys
- Key configuration technique
- Dust and splash water resistant keypads
- PS/2-interface
- Menu-driven programmer software
- Adjustable height
- MF-key layout
- Ergonomic design

### Options

- Integrated magnetic stripe reader (MSR) (3 tracks)
- Single, double and quadruple keys and dead tiles
- Alphanumeric key layout (German, International)

### Applications

Retail, banking and finance etc.

## Preh Commander® PC POS with glidepad (alphanumeric)



Preh Commander® PC POS with glidepad (alphanumeric)

**Programmable MF-keyboard with additional keypads, glidepad and magnetic stripe reader (MSR)**

### Special Features

- Integrated glidepad with 2 mouse buttons
- 39 free programmable keys
- 15 free programmable function keys
- Key configuration technique
- Dust and splash water resistant keypad
- PS/2-interface
- Menu-driven programmer software
- Adjustable height
- MF-key layout
- Ergonomic design
- Status LEDs

### Options

- Integrated magnetic stripe reader (MSR) (3 tracks)
- Single, double and quadruple keys and dead tiles
- Alphanumeric key layout (German, International)

### Applications

Retail, banking and finance etc.

# Preh Commander® MC 147

(alphanumeric)



## High quality and compact alpha keyboard with integrated magnetic stripe reader (MSR)

### Special Features

- Programmable key positions
- Dust and splash water resistant keypad
- PS/2-interface
- Menu-driven programmer software
- Compact and ergonomic design
- Adjustable height
- Alphanumeric key layout (German, International)
- Flash-RAM electronics
- Status LEDs
- Integrated MSR (3 tracks)

### Options

- Integrated Smart card reader (PC/SC, ISO 7816, GSM 11.11, HBCI, CT-API, EMV)
- Micro joystick or glidepad
- USB interface
- Single, double and quadruple keys and dead tiles

### Applications

Retail, service, banking and finance, gas stations, c-stores administration area etc.

## Preh Touch Commander MC 12

### Preh Screen Commander MC 12

multimedia base



Preh Touch Commander MC 12

**Touchscreen with integrated power supply and loud speakers**

#### Special Features

- Compact construction
- Flat screen 12,1" TFT with minimum 200 Cd/m<sup>2</sup>
- Viewing angle minimum 90° horizontal, 50° vertical
- Resolution 800 x 600 pixels (SVGA)
- Analog resistive 5 wire touchscreen technology
- Swivelling and adjustable height housing
- VGA-, power and serial outputs (RS232)
- On Screen Display (OSD)
- Dirt-, grease-, dust- and splash water resistant surface
- Ergonomic, elegant design
- Integrated power supply with power switch
- Color of housing: ivory, (similar RAL 9002) and black
- Adjustment angle 85°

#### Options

- TFT LCD without touchscreen, with glass protection called Screen Commander (monitor version)

#### Applications

Restaurants, fast food, hotels, gas stations, retail etc.

## Preh Touch Commander MC 15



Preh Touch Commander MC 15

**15" touchscreen with integrated power supply, loudspeakers and optional magnetic stripe reader (3 tracks)**

#### Special Features

- Compact design
- Flat screen 15"- TFT with minimum 250 Cd/m<sup>2</sup>
- Viewing angle minimum 120° horizontal, 100° vertical
- Resolution 1024 x 768 pixels (XGA)
- Analog resistive 5 wire touchscreen technology
- Swivelling and adjustable height housing
- Video, power and serial ports (RS232)
- Dirt-, grease-, dust- and splash water resistant surface
- On Screen Display (OSD)
- Ergonomic, elegant design
- Integrated power supply with power switch
- Color of housing: ivory, (similar RAL 9002)
- Adjustment angle 85°
- Base with integrated speakers

#### Options

- **Magnetic stripe reader (3 tracks)**

#### Applications

Medical, retail, cinema, hotels, restaurants, gas stations, etc.



# OEM Keyboards



Lottery terminal



Supermarkets



Hospitality



Banking and credit area



Department store



Pharmacy / drug stores

# OEM Keyboards



CAD application



Access control and time recording



Gas stations / c-stores



Mobile applications



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