



RUOSS-KISTLER AG, Kantonsstrasse 55, 8863 Buttikon

Tel.: (+41) 055 464 35 15    Mail: [handel@ruoss-kistler.ch](mailto:handel@ruoss-kistler.ch)  
Fax: (+41) 055 464 35 01    Internet: [www.ruoss-kistler.ch](http://www.ruoss-kistler.ch)



## Standard program Keyboards, Keypads, Touchscreens and POS-PCs



# Flexibility, Reliability and Ergonomic Design



Our partners are leading manufacturers, users and OEMs in markets in which more and more information must be collected, processed and distributed more and more quickly. 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.

In this regard, we apply our instance our modular expansion possibilities, our key configurability, individual key labelling, interchangeable menu sheets, high IP-protection classes, compact design and a functional, ergonomic design and the Universal Serial Bus (USB).

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

More information for e.g.

- LC-Display
- Smart card reader
- MSR

- Legic reader (contactless transponder card)
- Biometry
- Keylock
- Glidepoint
- Microjoystick
- Built in barcode decoder
- Interfaces
- USB
- Daisy chain socket
- Special cable lock
- Specific key layout
- Laser etched legends
- Customized colors on request

You can find more details, especially about our latest drivers, manuals and software, on our web page <http://www.preh.com> and in our product catalogs and data sheets. Peripheral devices and options are planned or already available.

If you have questions regarding hardware and software please do not hesitate to contact Preh After Sales Service by fax +49 9771 / 92-152 or by email [support@preh.com](mailto:support@preh.com).

The following product survey gives you a short information about our short-term deliverable standard program of data entry systems.

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## Preh Commander® MC 25 WX (numeric)



Compact keyboards

### Special Features

- Compact modular construction
- 25 freely programmable keys
- Key configuration technique
- Dust- and splash water resistant keypad
- IBM AT or or PS/2-interface
- Daisy-chain socket
- Menu-driven programming software
- Ergonomic, elegant design

### Options

- Integrated MSR
- LC-Display
- Single, double and quadruple keys and dead tiles

### Applications

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

## Preh Commander® MC 35 WX (numeric)



Compact keyboards

### Special Features

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

### Options

- Integrated MSR
- Single, double and quadruple keys and dead tiles

### Applications

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



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## Preh Commander® MC 80 WX (numeric)

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



Preh Commander® MC 80 WX (numeric)

Compact Data Entry System for Open Systems

### Special Features

- Compact modular construction
- 80 freely programmable keys
- Key configuration technique
- Dust- and splash water resistant keypad
- IBM AT- or PS/2-interface
- Daisy-chain socket
- Integrated pen holder
- Menu-driven programming software
- Ergonomic, elegant design
- Integrated MSR (3 tracks)
- Status LEDs

### Options

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

### Applications

Retail, restaurants, hotels, gas stations, banking and credit area etc.

## Preh Commander® MC 84 WX (numeric)



Preh Commander® MC 84 WX (numeric)

Compact Data Entry System for Open Systems

### Special Features

- Compact modular construction
- 84 freely programmable keys
- Key configuration technique
- Dust- and splash water resistant keypad
- IBM AT or or PS/2-interface
- Daisy-chain socket
- Integrated pen holder
- Menu-driven programming software
- Ergonomic, elegant design
- Integrated MSR (3 tracks)
- Status LEDs

### Options

- Single, double and quadruple keys and dead tiles

### Applications

Retail, restaurants, hotels, gas stations, banking and credit area etc.



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# Preh Commander® MC 128 WX

(numeric)

# Preh Commander® MC 128 WX Alpha

(alphanumeric)



Compact Data Entry System for Open Systems

## Special Features

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

## Options

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

## Applications

Retail, restaurants, hotels, gas stations, banking and credit area etc.



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## Preh Commander® M 84 WX (numeric)



Preh Commander® M 84 WX (numeric)

Modular data entry system offering unlimited flexibility for open design systems

### Special Features

- Universal modular construction
- 84 freely programmable keys
- Key configuration technique
- Dirt-, grease-, dust- and splash water resistant surface
- IBM AT or or PS/2-interface
- Daisy-chain socket
- Menu-driven programming software
- Ergonomic design
- Status LEDs

### Options

- MSR module (incl. status LED)
- Key lock module
- Single, double and quadruple keys and dead tiles

### Applications

Retail, restaurants, hotels, gas stations, CAD-daisy-chained keyboard etc.

## Preh Commander® M 128 WX (numeric)

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



Preh Commander® M 128 WX (numeric)

Modular data entry system offering unlimited flexibility for open design systems

### Special Features

- Universal modular construction
- 128 freely programmable keys
- Key configuration technique
- Dirt-, grease-, dust- and splash water resistant surface
- IBM AT or or PS/2-interface
- Daisy-chain socket
- Menu-driven programming software
- Ergonomic design
- Status LEDs

### Options

- MSR module (incl. status LED)
- Key lock module
- Single, double and quadruple keys and dead tiles
- Alphanumeric key layout (German, International)

### Applications

Retail, restaurants, hotels, gas stations, CAD-daisy-chained keyboard etc.



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## Preh Commander® MR 128 WX (numeric)



Preh Commander® MR 128 WX (numeric)

Modular data entry system with IP-protected menu sheet technology

### Special Features

- Universal modular construction
- Tactile short travel keyboard with 128 freely programmable keys
- Freely programmable keys
- Exchangeable menu sheets
- Dust and splash water resistant keypads
- IBM AT or or PS/2-interface
- Daisy-chain socket
- Menu-driven programming software
- Ergonomic design

### Options

- MSR module
- Key lock module
- Menu sheets

### Applications

Retail, restaurants, hotels, fast-food etc.

## Preh Commander® MR 128 WX Combi (numeric)



Preh Commander® MR 128 WX Combi (numeric)

Modular data entry system with IP-protected menu sheet technology

### Special Features

- Universal modular construction
- Combination of a full travel keyboard and a short travel keyboard
- Laser etched full travel keys
- Free programmable keys
- Exchangeable menu sheets
- Dust and splash water resistant keypads
- IBM AT or or PS/2-interface
- Daisy-chain socket
- Menu-driven programming software
- Ergonomic design

### Options

- MSR module
- Key lock module
- Menu sheets

### Applications

Retail, restaurants, hotels, fast-food etc.



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## Preh Commander® PC POS (alphanumeric)



Preh Commander® PC POS (alphanumeric)

Freely programmable MF-keyboard with additional keypad

### Special Features

- 48 freely programmable keys
- 15 freely programmable function keys
- Key configuration technique
- Dust and splash water resistant keypads
- IBM AT or or PS/2-interface
- Menu-driven programming software
- MF-key layout
- Ergonomic design

### Options

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

### Applications

Retail, banking, credit and insurance area etc.

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



Preh Commander® PC POS mit Glidepoint (alphanumeric)

Programmable MF-keyboard with additional keypads and glidepoint

### Special Features

- Integrated glidepoint with 2 mouse buttons
- 39 freely programmable keys
- 15 freely programmable function keys
- Key configuration technique
- Dust and splash water resistant keypad
- IBM AT or or PS/2-interface
- Menu-driven programming software
- Adjustable height
- MF-key layout
- Ergonomic design
- Status LEDs

### Options

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

### Applications

Retail, banking, credit and insurance area etc.



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# Preh Commander® MF 112 C



Preh Commander® MF 112 C (alphanumeric)

High quality and compact MF2 keyboard with integrated MSR

## Special Features

- MSR (3 tracks)
- Programmable key positions
- Dust and splash water resistant keypads
- PS/2 interface
- Menu-driven programming software
- Compact and ergonomical design
- Adjustable height
- MF key layout
- Status LEDs

## Options

- Micro joystick
- Single, double and quadruple keys and dead tiles
- Alphanumeric key layout (German, International)

## Applications

Retail, service, banking, gas stations, administration area etc.



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## Preh Commander® MC 140 (numeric)



Preh Commander® MC 140 (numeric)

High quality and compact MF2 keyboard with integrated MSR

### Special Features

- Programmable key positions
- Dust and splash water resistant keypads
- PS/2-interface
- Menu-driven programming software
- Compact and ergonomical design
- Adjustable height
- Numeric key layout with 140 programmable key positions
- Flash-RAM electronics
- Status LEDs
- Integrated MSR (3 tracks)

### Options

- Micro joystick or Glidepoint
- USB interface
- Single, double and quadruple keys and dead tiles

### Applications

Retail, service, banking, gas stations, administration area etc.

## Preh Commander® MC 147 (alphanumeric)



Preh Commander® MC 147 (alphanumeric)

High quality and compact MF2 keyboard with integrated MSR

### Special Features

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

### Options

- Micro joystick or Glidepoint
- USB interface
- Single, double and quadruple keys and dead tiles

### Applications

Retail, service, banking, gas stations, administration area etc.



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# Reconfigurable Keypads MTF



Keypads for customized OEM-solutions

## Special Features

- 12, 16, 20, 25, 28, 40, 56, 60, 84 or 128 keys
- MTF-switch technology
- Dust and splash water resistant keypads
- Flextail-multipoint connector

## Options

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

## Applications

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



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## Preh POS Commander II



Extremely compact Thin Client Cash-PC with freely programmable MC 128-keyboard

### Special Features

- Embedded CPU with minimum 300 MHz, Intel Pentium compatible
- 2,5" hard disk with minimum 5 GB
- 64 MB SDRAM
- Video controller onboard
- Audio controller onboard
- Onboard Ethernet controller (10/100 Mbps Base TX)
- Interfaces:
  - 1 SVGA, 1 LPT, 2 USB, 4 COMs,
  - 1 RJ45 (ethernet), 2 PS/2 (mouse, keyboard),
  - 1 line out, 1 line in, 1 microphone, 1 headphone,
  - 1 12V<sub>out</sub> for Preh Touch/Screen Commander
- Programmable MC 128 keyboard with integrated MSR (3 tracks)

### Options

- Up to 128 MB SDRAM

### Applications

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

## Preh Flat POS 2000



Compact POS PC

### Special Features

- CPU: AMD K6-2 up to 500 MHz
- Hard disk with minimum 5 GB
- 64 MB
- 512 kB 2nd Level Cache
- Video controller onboard
- Audio controller onboard
- Onboard Ethernet controller (10/100 mbps Base TX)
- 100 MHz FSB
- Integrated 3,5" FDD
- Interfaces:
  - 4 Com, 1 LPT, 2 USB, 1 VGA, 2 PS/2 (mouse, keyboard),
  - 1 power supply, 1 RJ11 (Cash Drawer), 1 RJ 45 (Ethernet),
  - 1 line in, 1 line out, 1 mic., 1 12 V<sub>out</sub> for Preh Touch/Screen Commander

### Options

- CDROM
- Up to 768 MB SDRAM

### Applications

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



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**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>
- Angle of vision at least 90° horizontal, 50° vertical
- Resolution 800 x 600 pixels (SVGA)
- Analog resistive 5 wire touchscreen technology
- Swivelling and adjustable height housing
- VGA-, mains 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

**Applications**

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

**Preh Touch Commander MC 12**  
**Preh Screen Commander MC 12**  
 modular base



Preh Touch Commander MC 12

Modular touchscreen for open systems

**Special Features**

- Compact construction
- Flat screen 12,1" TFT with minimum 200 Cd/m<sup>2</sup>
- Angle of vision at least 90° horizontal, 50° vertical
- Resolution 800 x 600 pixels (SVGA)
- Analog resistive 5 wire touchscreen technology
- Swivelling and adjustable height housing
- VGA-, mains adaptor and series interface (RS232)
- On Screen Display (OSD)
- Dirt-, grease-, dust- and splash water resistant surface
- Ergonomic, elegant design
- Color of housing: ivory, (similar RAL 9002) and black
- Adjustment angle 70°

**Options**

- Integrated MSR (base)
- MC keyboards can be connected to base
- TFT LCD without touchscreen, with glass protection called Screen Commander

**Applications**

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



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Preh Touch Commander MC 12  
Preh Screen Commander MC 12  
"pole mount"



Preh Screen Commander MC 12

Touchscreen with an example for adjustable telescope pedestal (pole mount)

Special Features

- Compact construction with universal adapter (VESA) for attaching various pedestals
- Flat screen 12,1" TFT with minimum 200 Cd/m<sup>2</sup>
- Angle of vision at least 90° horizontal, 50° vertical
- Resolution 800 x 600 points (SVGA)
- Analog resistive 5 wire touch technology
- VGA-, mains adaptor and series interface (RS232)
- On Screen Display (OSD)
- Dirt-, grease-, dust- and splash water resistant surface
- Ergonomic, elegant design
- Color of housing: ivory, (similar RAL 9002) and black

Options

- TFT LCD without touchscreen, with glass protection called Screen Commander

Applications

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

Preh Touch Commander MC 12  
Preh Screen Commander MC 12  
"wall mount"



Preh Screen Commander MC 12

Touchscreen with an example for adjustable wall mount solutions

Special Features

- Compact construction with universal adapter (VESA) for attaching various wall adapters
- Flat screen 12,1" TFT with minimum 200 Cd/m<sup>2</sup>
- Angle of vision at least 90° horizontal, 50° vertical
- Resolution 800 x 600 points (SVGA)
- Analog resistive 5 wire touch technology
- VGA-, mains adaptor and series interface (RS232)
- On Screen Display (OSD)
- Dirt-, grease-, dust- and splash water resistant surface
- Ergonomic, elegant design
- Color of housing: ivory, (similar RAL 9002) and black

Options

- TFT LCD without touchscreen, with glass protection called Screen Commander

Applications

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



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# Preh Touch Commander MC 15

multimedia base



Preh Screen Commander MC 15

15" touchscreen with integrated power supply, loudspeakers

## Special Features

- Compact construction
- Flat screen 15" - TFT with minimum 200 Cd/m<sup>2</sup>
- 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

## Applications

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



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