

# ABB motion control products

## KPD200 - operator panel

The KPD200 operator panel offers a simple text display compatible with the Mint programmable product ranges. Communication interfaces include RS232/485 and CANopen.

The operator panel operates as a simple message display and requires no separate programming tools. All programming is performed directly in Mint, ABB's versatile BASIC programming language.



### Simple machine HMI

The KPD200 is perfect for simple low cost machines, combining a backlit text display with 'hotkeys' and dedicated axis control buttons. The four pairs of axis buttons can be used within the application programme for jogging or changing control speeds for example.

### Features

- 4 x 20 character 3.1" backlit display
- 29 key membrane keypad
- RS232 / RS485 (9-pin D-type)
- CANopen (RJ45 and 9-pin D-type)
- USB for connection to a host PC (for firmware upgrade)
- Fully programmable screens and key functions using Mint WorkBench
- UL listed, file E212132

### I/O Expansion

An optional plug-in I/O module offering 4 digital inputs and 4 digital outputs is available. These I/O can be operated over the CANopen bus as standard DS402 remote I/O and are ideally suited to additional push button interfaces and lamps.

### Compatible Mint products

- NextMove ESB-2
- NextMove e100
- NextMove ES
- NextMove PCI-2
- MotiFlex e100 with MintLite or Mint motion module
- MicroFlex e100 with MintLite
- MicroFlex e150





### PC tool offers simple and intuitive commissioning

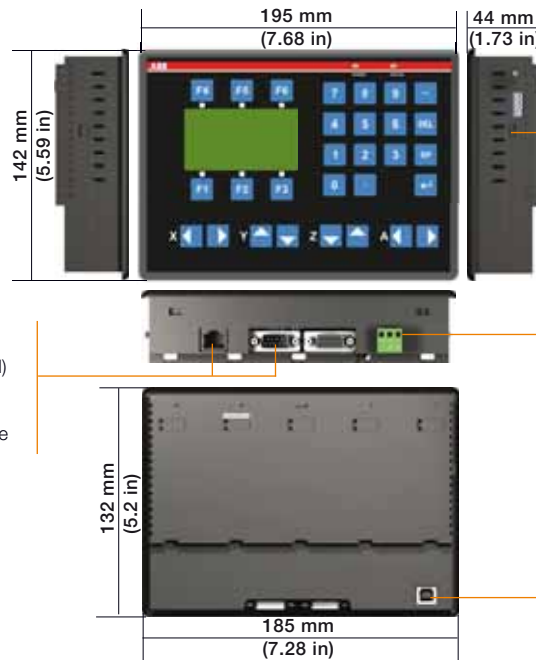
The Mint Workbench PC tool offers fast and simple set up, commissioning and monitoring in a single software tool. In addition to a step by step configuration wizard, oscilloscope graphing, parameter view/edit/compare it also includes motion programming,

integrated help and a support tool to package a single concise email to streamline technical support.

Mint Workbench is used to program all Mint products including NextMove, MotiFlex e100 , MicroFlex e100 and MicroFlex e150.

### CANopen

- 1 channel, 2 wire isolated
- D-Type and RJ45 (internally connected)
- 125, 250,500 Kbits/s
- 120 Ohm internal terminator (selectable)



### RS232/RS485




- Switch selectable operating mode (232/485)
- 120 Ohm internal terminator (selectable)
- Max baud rate 115Kbits/s

### Power

- Supply Voltage 24 V DC +/- 10%
- 0.5 A Keypad
- 2 A keypad + I/O module

### USB

- For firmware updates via Mint Workbench

Ordering information	Description	Order number
 KPD200 operator panel	CANopen RS232/485 text display + numeric keypad	KPD200-501
 I/O expansion block	4 x DI 12-24V dc PNP/NPN 4 x DO 24V 350mA per output	KPD-OPTIO-1
 CANopen adapter	Dtype to RJ45 with integrated 120 Ohm terminator	OPT-CNV002

KPD200 is an ideal replacement to the previous generation of CAN operator panel (KPD002-501). With the same keyboard layout, minimal Mint code changes are required to support this new panel.

For more information please contact your local ABB representative or visit:

- [www.abb.com/motion](http://www.abb.com/motion)
- [www.abb.com/drives](http://www.abb.com/drives)
- [www.abb.com/drivespartners](http://www.abb.com/drivespartners)

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