

# Human Machine Interface (HMI) - SIMATIC MP 270B



## Overview

- Like operator panels, Multi Panels (MP) are used for local machine operation and monitoring
- Their functionality can be expanded by the installation of additional Windows CE applications (Multi Panel and Panel options)
- SIMATIC MP 270B devices on the basis of Windows CE combine the ruggedness of operator panels with the flexibility of PCs
- Pixel-graphics 10.4" TFT display, color (256 colors)
- [MP 270B 10" Keys:](#)  
38 system keys, 36 user-configurable and freely inscribable function keys (28 with LEDs)
- [MP 270B 10" Touch:](#)  
Touchscreen (analog/resistive)
- All interfaces (e.g. MPI, PROFIBUS DP, USB, Ethernet, serial) are on-board

## Benefits

- Integral component of Totally Integrated Automation (TIA):  
Increases productivity, minimizes the engineering outlay, reduces the lifecycle costs
- Modular expansion possible with options such as:
  - ThinClient/MP for use as terminal client on a Windows terminal server (only MP 270B 10" Touch)

- WinCC flexible /Sm@rtAccess for communication between various SIMATIC HMI systems
- WinCC flexible /Sm@rtService for remote maintenance and servicing of machines/plants via the Internet/intranet
- WinCC flexible /OPC server for communication with applications from various vendors
- MS Pocket Internet Explorer (included in scope of supply)
- Reduces the service and start-up costs due to:
  - Backup/restore via Ethernet (TCP/IP), USB, MPI, PROFIBUS DP, RS 232 (serial) or optionally via PC/CF card
  - Remote downloading/uploading of the configuration and firmware
  - Specific drivers can be downloaded
  - Long service life of the backlighting
- Graphics library is available complete with ready-to-use display objects
- Can be used worldwide:
  - 32 languages can be configured (including Asiatic and Cyrillic character sets)
  - Up to 5 languages are selectable online
- Standard hardware and software interfaces to increase flexibility:
  - PC/CF card slot for memory expansions, backup/restore or additional interfaces
  - Ethernet (TCP/IP) for centralized data management and project management; connection of PLC to SIMATIC S7 possible when configuring with WinCC flexible
  - Standard Windows storage format (CSV) for archives and recipes enables further processing using standard tools (e.g. MS Excel)