

# Human Machine Interface (HMI) - SIMATIC OP 270



## Overview

- Operator panel with comprehensive functions for demanding machine visualization tasks
- Pixel graphics 5.7" or 10.4" STN display, color (256 colors)
- **OP 270 6":**  
36 system keys, 24 freely-configurable and freely-inscribable function keys (18 with LEDs)
- **OP 270 10":**  
38 system keys, 36 freely-configurable and freely-inscribable function keys (28 with LEDs)
- All interfaces on board, e.g. MPI, PROFIBUS DP, USB; Ethernet optional
- SIMATIC OP 270 Operator Panels are the innovative successors of the SIMATIC OP27 Operator Panels

## 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:
  - 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
- Reduces the service and start-up costs due to:

- Backup/restore via USB, MPI, PROFIBUS DP, RS 232 (serial) and optionally via Ethernet (TCP/IP) or compact flash card (CF card)
- Remote downloading/uploading of the configuration and firmware
- Specific drivers can be downloaded
- Long service life of the backlighting
- Graphics library 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:
  - CF card, used for recipe data sets and for backing up the configuration and system data
  - Integrated USB interface for "Hot plug-in/out" of I/O devices (printer, keyboard, mouse, barcode reader)
  - Standard Windows storage format (CSV) for archives and recipes for further processing using standard tools (e.g. MS Excel)
  - Optional Ethernet (TCP/IP) for centralized data management and project management; connection of PLC to SIMATIC S7 when configuring with WinCC flexible