



Versatile and easy to program HMIs for every machine and for every application!

Communicating with your industrial hardware could be as simple as pushing a button!

HMIs offer an exceptional level of flexibility with respect to the ease of communicating with your industrial hardware. Gone are the days when a button had to be installed on a panel and wiring was to be setup for that button to perform a single action. Then imagine the requirements were altered in anyway, the whole process had to be done again and possibly, completely scrapping the old panel. HMIs help provide the ease of operation as well the visibility of the data that goes behind the process, all while accommodating the flexibility to reprogram the unit as and when necessary.

Why the IDEC HG-series HMI?

IDEC's HG series of HMIs offer great visuals, with a high resolution of up to 1024x768 pixels and high brightness of up to 800 nits, backed up by 65K colours, the graphics are always crisp and clear. Additionally, the versatility with respect to the screen sizes ranging from 8" - 15", the product portfolio offers a solution for every requirement. The display itself is an 'Analog resistive' touchscreen that is reliable, is cost effective and can be operated with gloves making it a perfect choice for your industrial solutions.

What are the advantages of the HG series of HMI?

The HG series of HMIs offer a wide range of product features which prove to be very advantageous to industrial automation solutions. While features such as high resolution, bright screen, IP 66F/67F rating, and it being the fastest display in its class with start up at 3s, appeal to the impeccable quality of the product, the series supports various other features that set it ahead of the competition.

Incredibly flexible and adaptable design: Offering support for up to 100 different industrial protocols and the flexibility to connect to 4 different protocols simultaneously, the HG-series offers seamless compatibility with all your industrial systems.

Ease of data management: The Remote monitoring and control feature of the HG-series ensures that your data can be easily accessed and managed from anywhere. With a library of over 7000 symbols and intuitive software to back it up, a graphical representation of your automation system can easily be designed and remotely accessed via a web browser.

Real time 'Video monitoring' of system: The HG-series of HMIs offers 2 video input ports which can be used to connect to video cameras. For those huge industrial systems, it is simpler to monitor the entire machinery in real time by streaming the live feed on the display itself.

Control for Industrial alarms: Along with the video in ports, the HG-series displays also offer 1 audio out port, which is particularly useful to locally announce alarms, if not an alarm the audio output port can also be used to play other sounds and to control the volume on the display itself.

Unify your control system: The HG-series of HMIs offers options to expand using a maximum of 4 FC6A I/O modules behind the display. For all the applications with limited I/O requirements this feature allows to unify the control and display into a single piece of hardware.

Excellent environmental resistance: With an IP rating of IP66F/67F and wide operating temperatures ranging from -20 to +60 degree Celsius, the HG-series offers the best environmental resistance in its class.

Flexible and Intuitive programming: The simple and user-friendly software WindOI-NV4 also allows for simple transfer of programs from one size of display to the other effectively simplifying the process of migration.

What are a few applications where IDEC's HG- series display would be perfect for?

The conception of the HG-series displays was to make them technically capable and financially feasible for every application out in the market while providing with enough features to simplify the lives of customers. Owing to these features within the HG-series displays, certain applications can be considered to have the requirements that the displays can perfectly fulfil.

Food and Beverage Industries

- Hygiene and sanitation: The display should be easy to clean and disinfect to maintain food safety standards.
- Durability: The display should withstand the harsh conditions including moisture, temperature fluctuations, and potential exposure to chemicals.
- Touchscreen interface: The displays can be cleaned easily and reduces the need for physical buttons.
- IP rating: A higher IP rating is essential for food and beverage applications to prevent damage and contamination.
- Connectivity: Connection to various devices, such as scales, printers, and payment systems, is crucial for food and beverage applications to streamline operations and improve efficiency.

Industrial Automation

- Environmental resistance: To withstand harsh industrial environments, including water resistance, temperature extremes, and exposure to contaminants.
- High brightness: For clear visibility in dimly lit environments.

- Connectivity: Ethernet, RS-232/485, and other industrial communication protocols for seamless integration with PLCs and other automation equipment.
- Remote monitoring and control: For efficient maintenance and troubleshooting.
- Alarm and notification functions: To alert operators to critical events or system failures.

Manufacturing

- High resolution: For detailed visualization of product quality and process data.
- Touchscreen interface: For intuitive interaction with manufacturing equipment and systems.
- Data logging and reporting: For tracking production metrics and identifying areas for improvement.
- Customizable user interfaces: To tailor the display to specific manufacturing processes and workflows.

Building Automation

- Network connectivity: Integration with building management systems (BMS) and other control devices.
- Remote monitoring and control: For efficient management of building systems.
- Energy efficiency features: Displaying energy consumption data and providing recommendations for optimization.
- Alarm and notification functions: To alert maintenance staff to equipment failures or system anomalies.
- Customizable user interfaces: To tailor the display to the specific needs of building operators.

As with all its products, IDEC offers free tech support for the touch panel series, with no service or support contract required. For complete specifications or additional information, please contact IDEC at eu.support@idec.com or visit us online at [HMI | Operator Interfaces | Automation | EMEA \(idec.com\)](#)

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About IDEC: *IDEC Corporation is a global supplier that has provided innovative and reliable industrial automation and control products since 1945. Covering a broad range of market needs, these feature-rich and value-driven products include PLCs, human machine interfaces (HMIs), safety products and other industrial automation components. By delivering world-class products backed by personalized service and highly-rated technical support, IDEC enables design engineers to create lean, cost-effective and safe solutions to optimize their automation applications. IDEC are one of the world's leading manufacturers of operator interface panels and related components, IDEC continues to enhance our customers' ability to create high-quality solutions. For additional information, visit eu.idec.com*

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