



**FE** *e-Front runners*  
Fuji Electric FA Europe

**Hakko Electronics Co., Ltd.**  
[www.monitouch.com](http://www.monitouch.com)

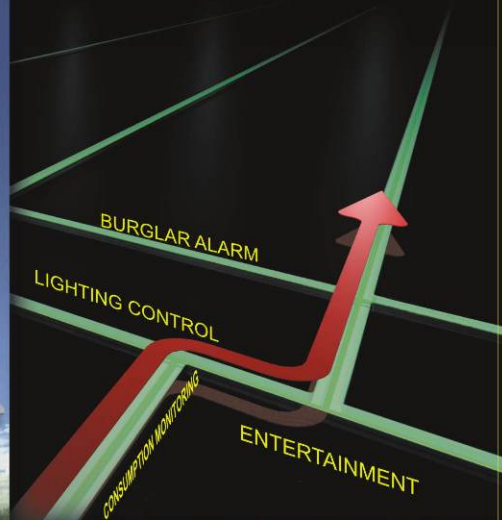
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# Touch Screen Home & Building Automation



# Supervision and Integration

Home Automation

Building Automation



LIGHTS

CONSUMPTION

SPRINKLER SYSTEMS

BURGLAR SYSTEMS

ENTERTAINMENT

VIDEO SURVEILLANCE

HEATING - COOLING SYSTEMS

ETHERNET

MODBUS RTU

KNX \*

LON WORKS \*

BACNET \*

PROPRIETARY BUS \*

LIGHTS

CONSUMPTION

FIRE ALARM SYSTEM

BURGLAR SYSTEM

ACCESS CONTROL

VIDEO SURVEILLANCE

HEATING - COOLING SYSTEMS

(\* with external communications module)

At home (apartment, house, residence, etc.) or in buildings (skyscraper, hospital, shopping mall, etc.) the installation of intelligent devices is getting more and more popular. These systems are dedicated to control functions such as:

- Lighting
- Heating/Cooling Systems
- Air conditioning
- Access control
- Consumption management
- Alarm system
- Blinds control
- Entertainment (audio/video)
- Etc...

These devices, which are produced by the large companies in the region, are based on many different standards, making the integration among them difficult. The best solutions are obtained by devices which support many different communications options. This fact makes the need to use solutions that can establish communication with every different device on the market and offer you a smooth and simple representation of the data related to all of the devices in the home/building (like our MONITOUCH).

As noted, all major manufacturers take part in this technological change that has the capability to transform the lifestyles of those who live in homes and/or attend to offices. Many manufacturers are contributing devices to enhance the market but at the same time, the lack of a universal standard (currently there are several protocols including: LonWorks, Konnex, EIBus, BacNet, etc. ...), makes clear the importance of devices which allow the integration of data from multiple manufacturers. It doesn't matter which type of connectivity they have, all are supported.

**OUR PROPOSAL**

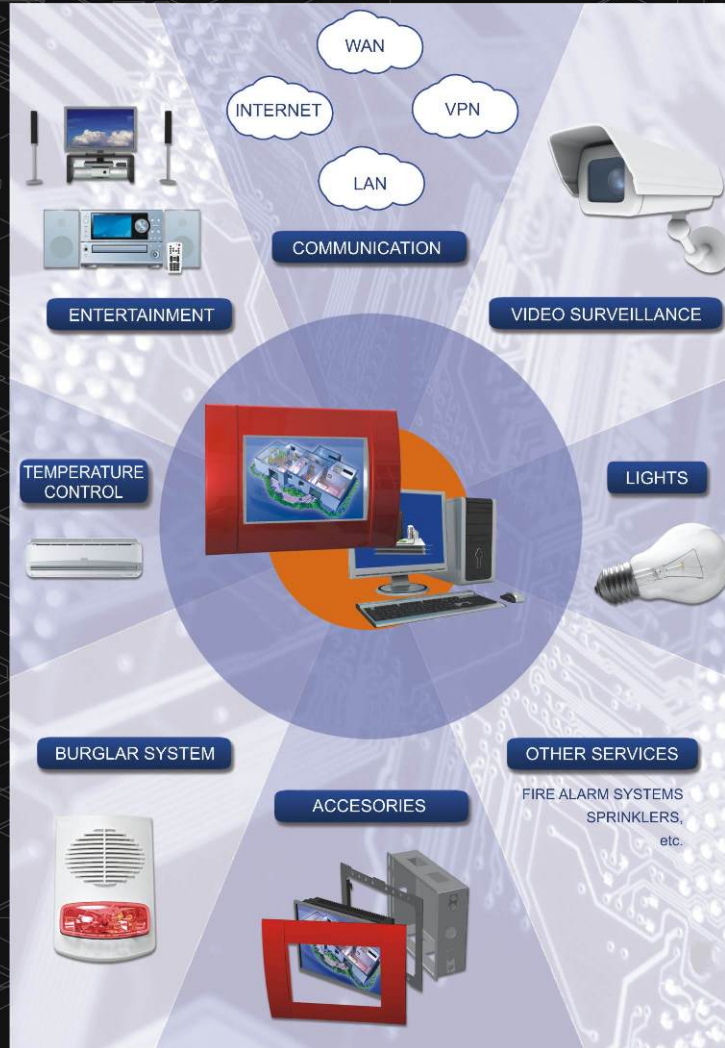
Hakko Electronics, with its varied and reliable displays, is able to achieve what seemed only a dream a few years ago. With the help of the powerful connectivity of our displays and with the specific devices to integrate communication protocols, it is possible to create applications which provide the use of devices based on different standards. It is also possible to enjoy the advantages coming from their homogenization and their resulting graphical representation. Furthermore, the simplification of data collection allows to make the best profit from all of the telecommunications world technologies (Internet, GSM, GPRS, UMTS, Edge, etc...), through which we easily get all the functions of telecontrol and teleservice of the system. Hakko Electronics, thanks to its twenty years experience in the Factory Automation, is ready to offer to the world of HOME AND BUILDING Automation a series of products based on essential requirements such as: STABILITY, RELIABILITY and LONG-LIFE.

In fact, in the Home & Building Automation world the main point to be taken in account in the project design is that it must be long-lived because a house has an average life of 50 years and it can be constantly updated following technology changes. Updates should be transparent and don't have to involve the main components of the system like electrical installation and supervision devices.

**OUR PRODUCTS AND CUSTOMERS**

All products offered by Hakko Electronics are freely configurable based on the customer needs. Through simple settings it is possible to develop graphic pages enjoying the rich libraries (graphic symbols) and the templates (pre-configured graphic structures). Every supervision device offered by Hakko Electronics is touchscreen based, so with the touch of one of your fingers you can achieve the desired function.

Hakko Electronics, proposal is oriented to Home & Building integrators, project makers and installers who want to give an advanced technological answer to the satisfaction of customers in need of Home & Building supervision. Your original capacity to offer innovating services will be limited just by your imagination.



Supervisory Software for Home & Building Remote Control



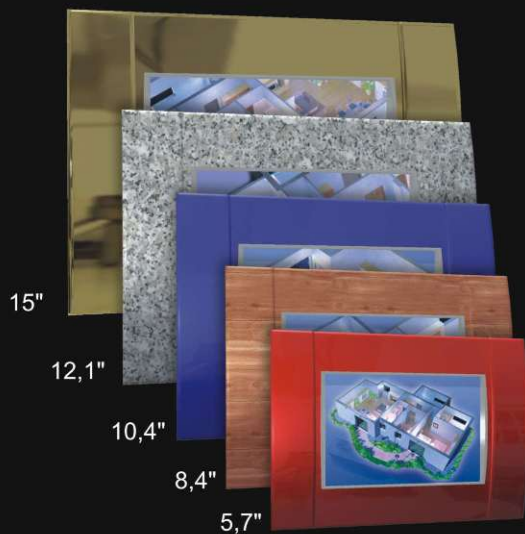
Rich symbol library to create screens with simple graphic effect

Data collection for energy management

Event scheduler

Compatible with Windows based PCs

The widest range of touch screens among  
the Home & Building Automation in the world

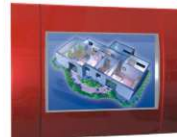


Extreme custom-made options

A lasting choice

## Hakko Solutions

### MONITOUCH



Monitouch is the name of our touch screens for the Home & Building Automation. Monitouch is a revolutionary concept in the world of touch panels, based on the right balance between Hardware and Software. There is at your disposal a wide range of interface panels from 5.7 to 15 inches, with a resolution from 320x240 to 1024x768 dots, TFT, 64K colours, high connectivity and several additional features which give you many possibilities and the best performance. Our configuration software enables the creation of applications with dedicated functions, very powerful graphical libraries and a representation of moving images which create a great effect and a pleasant appearance.

### SOFT MONITOUCH TELLUS and V-Server

Our Tellus&V-Server software provides remote control and monitoring of home and buildings. Tellus can track the application of every touch screen installed on site from a PC remotely through an Intranet/Internet connection while V-Server is a powerful tool that lets you collect and monitor data (alarms, recipes, etc.), via Ethernet, from the panels, and store it on your PC, so that you can be informed at anytime of your home or building facilities. Thanks to the Internet and use of Tellus and V-Server, data of your building or home will be easily and in real-time available, anywhere in the world.



### Customized Frames



Hakko Electronics doesn't forget about the look and provides a front cover frame to dress our touch screens. Our Monitouch must be another member of your house or building and this is the reason to improve the aesthetic appearance of the touch screen. We offer a series of frames combining different colors and patterns to suit the desired environment. The front frames for MONITOUCH are easily installed by means of a wall mounting box with a magnetic support. The frames are made by high density Polyurethane and can be easily fitted. They can be customized following the extreme request of Customers and architects by special painting technologies and texture appliance.

### Hakko Electronics Co., Ltd.

#### Hakko's history

After 20 years experience in the Factory Automation world Hakko Electronics is having success in the Home & Building Automation applications. It has been a long time since we introduced the first Monitouch series to production sites, changing the concept of operator interface panels. Our superior-quality Monitouch screens with high connectivity and expandability, which were first designed to fit engineers, installers and operators, now fit the needs of architects, building supervisors and people like you and me at home who are looking for a comfortable way to manage all their house needs and facilities.