智能模块 Smart LCD

Highlights

TOPWAY's Smart LCDs embed a display engine and a versatile range of TFT display sizes and Touch-Panels to support a wide range of industrial and instrumentation applications.
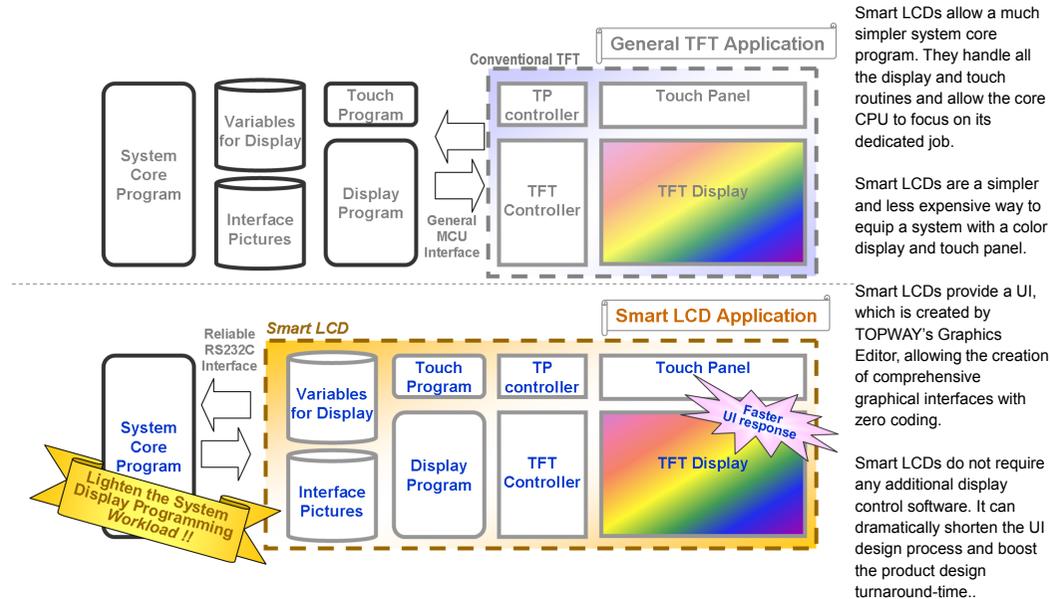
The pre-loaded User Interface (UI) reduces the host system's workload and provides a much faster interaction with the user.

UI designs are implemented under usage of TOPWAY's Graphics Editor allowing designs with zero coding. It dramatically simplifies and speeds up the whole product design process.

TOPWAY 智能模块专为工业显示应用而设计。将 PC 上的各种显示图案可以预存在模块内，并能实现快速的画面变换和刷新，从而让客户的产品可以轻松拥有精彩的显示界面。

不仅如此，应用智能模块可以极大地减轻了主机对显示界面的负荷，降低了对主机的要求，从而可降低系统设计成本，而且更加稳定可靠。

Main Specification

Display :	5.0", 7.0", 8.0" Industrial TFT Display
Backlight :	High Brightness LEDs Backlight
Touch Panel :	Industrial Resistive/Capacitive Touch Panel
Memory :	256M Byte high speed flash (equivalent to 349 background images)
Operating Temperature :	-20 ~ +70°C
Storage Temperature :	-30 ~ +80°C

Major Models

Model	Outline (mm)	Resolution	I/F	T/P	Note
HMT050CC-C	143.5 x 80.9 x 14.8	800 x 480	RS-232C	O	
HMT070CE-C	185.9 x 109.5 x 19.4	800 x 480	RS-232C	O	
HMT080EB-C	196.0 x 143.9 x 17.2	800 x 600	RS-232C	O	

For semi-custom made or full-custom made products, please contact us for further information & options.
可按客户要求提供半定制与全定制产品，其他产品与更详细资料请与我们联。

Smart LCD vs. Conventional TFT

Smart LCDs allow a much simpler system core program. They handle all the display and touch routines and allow the core CPU to focus on its dedicated job.

Smart LCDs are a simpler and less expensive way to equip a system with a color display and touch panel.

Smart LCDs provide a UI, which is created by TOPWAY's Graphics Editor, allowing the creation of comprehensive graphical interfaces with zero coding.

Smart LCDs do not require any additional display control software. It can dramatically shorten the UI design process and boost the product design turnaround-time..

Pages, Elements, Picture Resources, Variables and Functions

- The Smart LCD's UI is organized in Pages.
- Each Page allows the usage of a Background Image or a single Background Color.
- Each Page can contain various kinds of elements.
- e.g. Icons and Animations can be placed onto Pages as such elements.
- The Host can access and modify variables at any time.
- Variables' contents can be displayed via elements in real-time.
- Touch- and Virtual-Keys can call functions (e.g. keyboards), modify variables or even jump to other Pages.
- All the above functionality can be implemented with TOPWAY's Graphics Editor and does not require actual coding work (zero coding).

TOPWAY reserves the right to update the functionality of the products without prior notice.
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