X86 Touchscreen HMI

This human interface device is based on the latest generation Intel® Atom™ processor running up to 1.6GHz. The HW architecture is based on a Qseven™ SOM mounted on a custom-designed carrier board that allows broad connectivity with several peripherals. Multi-touch and gesture support are achieved through a PCAP controller.

Additional flexibility is accomplished with the support of dual independent displays up to 1920 x 1080 resolution either on LVDS or SDVO LCD panels. The CAN connectivity allows this HMI to easily interface with vehicle applications, such as ISOBUS, J1939 or OEM-specific proprietary protocols.

For unmatched user experience and broad connectivity

TECHNICAL DATA	
MICROCONTROLLER	Intel® Atom™ E6xx series up to 1.6GHz
MEMORY	32GB solid state drive + 2GB DDR2
GRAPHICS	Intel® GMA 500 with Direct X 9.0E and Open GL 2.0 support
CONNECTIVITY	1 x CAN 6 x USB 2.0 2 x SATA 1 x SDIO 3 x PCIe 1 x I^2C
HW INTERFACE	Customizable carrier board
DISPLAY CONTROLLER	Dual independent displays support up to 1920 x 1080 resolution, 18/24-bit pp
WIRELESS CONNECTIVITY	ZigBee®/WiFi/GPRS/CDMA module interface
AUDIO	Intel® High Definition Audio
POWER SUPPLY	6V–30V DC
TEMPERATURE RANGE*	-30°C to +70°C operative, -40°C to +85°C storage
OPERATING SYSTEM	Win XP, XPE, Win CE 6.0, Linux 2.6, QNX 6.x
ENCLOSURE	Customizable

* Board only. Panel will define the final temperature range.

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