HMI Control Panel Solutions

Touch screen controls for hardened vehicle access points

When coordinating multiple lanes of traffic or access points, a touch screen Human-Machine Interface (HMI) brings an intuitive graphic interface to streamline the management, control and security of automated barriers and gates.

Features:

Control from anywhere:
Integrated a control panel remotely at the SOC or connect from anywhere over secure TCP/IP.

Expert design assistance:
HySecurity offers custom design and installation services, giving you confidence of a job done right.

Flexible:
HMI enclosures provide more sophisticated control to a basic push button system by adding flexibility to sequenced operations while enhancing safety, visual monitoring, and data collection.

HySecurity®

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Standard HMI Packages

	HDMI package 1 8-inch color screen	HDMI package 2 10-inch color screen	HDMI package 3 12-inch color screen	HDMI package 4 15-inch color screen
Screen Type	TFT, ANALOG RESISTIVE	TFT, ANALOG RESISTIVE	TFT, ANALOG RESISTIVE	TFT, ANALOG RESISTIVE
Enclosure Dimensions	12.88"x 16.62"x 3.62" H X W X D	12.88"x 16.62"x 3.62" H X W X D	20.0"x 13.75"x 3.62" H X W X D	20.0"x 13.75"x 3.62" H X W X D
Display Viewing Area	6.71" X 5.03"	8.31" X 6.24"	9.69" X 7.26"	11.97" X 8.98"
Screen Pixel	800 x 600 (SVGA)	800 x 600 (SVGA)	800 x 600 (SVGA)	1024 x 768 (SVGA)
Color Scale	65,536 COLORS	65,536 COLORS	65,536 COLORS	65,536 COLORS
Project Memory	26MB	26MB	82MB	82MB
Number of Screens	UP TO 999 - LIMITED BY PROJECT MEMORY	UP TO 999 - LIMITED BY PROJECT MEMORY	UP TO 999 - LIMITED BY PROJECT MEMORY	UP TO 999 - LIMITED BY PROJECT MEMORY
Clock / Calendar	YES/YES	YES/YES	YES/YES	YES/YES
Com Ports	3 Serial, 1 ENET, 2 USB	3 Serial, 1 ENET, 2 USB	3 Serial, 2 ENET, 2 USB	3 Serial, 2 ENET, 2 USB
Audio Line Out	YES	YES	YES	YES
HDMI Video Out	N/A	N/A	HDMI (TYPE A)	HDMI (TYPE A)
SD Card Slot	1- 2GB (SD) TO 32GB (SDHC)	1- 2GB (SD) TO 32GB (SDHC)	2- 2GB (SD) TO 32GB (SDHC)	2- 2GB (SD) TO 32GB (SDHC)
Supply Power	110VAC, 5A	110VAC, 5A	110VAC, 5A	110VAC, 5A
Power Consumption	18.0 W, .75A @24VDC	18.0 W, .75A @24VDC	21.0 W, .88A @24VDC	21.0 W, .88A @24VDC
Ethernet Port	3	3	3	3
Convenience 110 VAC Receptacle	1	1	1	1
Operating Temp	−20 to +60°C (−4 to + 140°F)	−20 to +60°C (−4 to + 140°F)	−20 to +60°C (−4 to +140°F)	−20 to +60°C (−4 to +140°F)
Agency Approvals	UL508, E157382 CE (EN61131-2), RoHS (2011/65/EU) CUL Canadian C22.2	UL508, E157382 CE (EN61131-2), RoHS (2011/65/EU) CUL Canadian C22.2	UL508, E157382 CE (EN61131-2), RoHS (2011/65/EU) CUL Canadian C22.2	UL508, E157382 CE (EN61131-2), RoHS (2011/65/EU) CUL Canadian C22.2

HMI integrated in pedestal mount enclosure

- High resolution touch screen display with 64k color and up to 1024x768 pixels
- Three Ethernet ports
- Additional control inputs and alarm outputs for expansion
- Data logging on removable media (USB or SD card)

Programmable Automation Controller (PAC) integrates main and remote HMI

- Battery backup for 4-7 hours
- NEMA 4 (IP66) enclosure
- Fiber, Ethernet, or RS485 communication
- Optional wireless communication
- Optional remote access and monitoring

Back side of the HMI with connectors

Control rack

Panel onsite