QX751 15" XGA Color Touch OCS

Powerful All-In-One Controller with 15" XGA TFT Touch Screen, Embedded Ethernet, and Snap-on I/O

The NEW QX751 Color-Touch OCS features a fast, powerful logic engine, XGA resolution touch screen and optional snap-on I/O. OCS (Operator Control Station) is a robust, reliable control product that combines a traditional controller…programmed in ladder logic…operator interface, I/O and networking into an integrated, all-in-one unit using a single software package.

The QX751 has a 15" TFT screen with XGA resolution, (1024x768) and a typical logic scan rate of 0.2mS/K. In addition, the QX751 has embedded Ethernet and supports many Internet capabilities such as remote data access, programming, hosting HTML-based Web pages, and FTP sites. Plus, it has a built-in CompactFLASH® slot that allows users to easily store machine or process data (up to 2GB). Programs can be updated and loaded through CompactFLASH…a real advantage for OEMs or those supporting distant sites.

The QX751Color Touch OCS has optional I/O and video add-on features, too. The base QX unit provides control, operator interface, and communication functionality while the optional QX Backpack (BP) units provide I/O connectivity. Video connectivity can be achieved with an upcoming VIM401 video input option. This modularity allows the I/O or video functions to be omitted or added to more precisely meet the application requirements.

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Backpack Options Add Local and Remote I/O

There are two Backpack options for the QX751 (HE-BP41 & HE-BP43, with high speed counter). Both are compact and easy-to-install on the back of the QX base unit. With any Backpack installed, up to two SmartStack I/O modules can be snapped on. In addition, Backpack users can connect hundreds of local or remote I/O using our Fiber Optic (FOX) Expansion I/O and our SmartStix terminal-type I/O modules. If the HE-BP43 Backpack is selected, a 500 KHz High Speed Counter (with PWM) is included. For smaller applications, the QX with Backpack creates a single, compact package that includes control, display, networking, and up to two snap-on SmartStack I/O modules.

Video Input Option Allows Machine Viewing and More Security

The advanced feature of video input functionality (VIM41-Spring/Summer 2009) for the QX751 Color-Touch OCS is highly beneficial for use by companies who need to integrate security, view machinery in remote locations, or need to incorporate a machine vision monitor with their control system. The video input option allows four channels of NTSC or PAL video to be connected to the QX751 to provide video viewing and capture capability. Video can also be viewed freeze frame, and/or saved as a single frame to CompactFLASH. A separate control register allows the controller to automatically freeze or save video snap-shots based on the machine state.

With its XGA resolution, the QX751 can display 39% more screen area than SVGA resolution. More screen area results in more objects-per-screen and ease of operator viewability.

Fast Logic Scan & Screen Updates

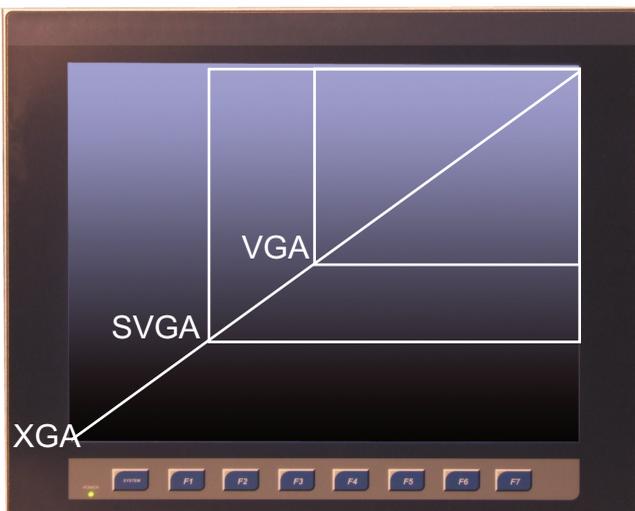**Bright TFT Screen with XGA Resolution and over 64K Colors**

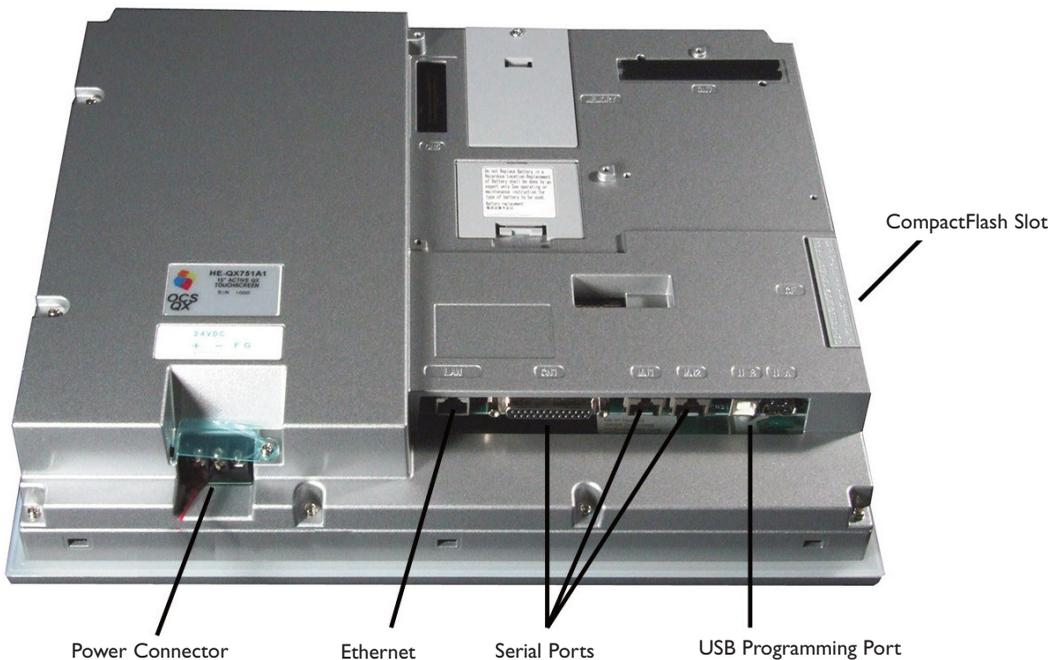**Cast Aluminum Chassis**

Snap-on I/O with Optional Backpack

CompactFLASH®

Embedded Ethernet and Web-enabled

USB Port for Easy Programming

Free Software

HORNER APG

25 Years of Innovation

CompactFlash Slot

Power Connector   Ethernet   Serial Ports   USB Programming Port

PLC/Drive
Protocols

Optional
>500 KHz HSC and
PWM

Complex Graphical
Objects

Full Alarming
Package

Downloadable
Fonts

Four Selectable
Languages

Part Number	Description
HEQX751	QX Operator Control Station Base Unit with 15" XGA TFT Screen
HE-BP41 (Rev G)	QX Backpack with support for SmartStack (2), FOX I/O and CsCAN
HE-BP43 (Rev G)	QX Backpack with support for SmartStack (4), FOX I/O, CsCAN and HSC/PWM
HE-VIM401	New Video Backpack with support for four (4) NTSC/PAL Video Inputs **(Spring/Summer 2009)**

Specifications

Application Programming Environment	Cscape™ (logic plus screen development-ladder or full IEC-1131)
Display Size and Technology	15" TFT XGA Color Touch Screen (1024x768) Over 64,000 colors
CompactFlash Slot	Yes, up to 2 GB
Ladder Logic Memory	256K Bytes plus 32KB Register Space
Display Memory	8 Mbytes
Embedded Ethernet	10/100MBit
Logic Scan Rate	0.2mS/K (typical)*
Web Server & FTP Server	Yes
Ports	3 Serial Ports, (RS-232/RS-485) Software Selectable, USB B port
Dimensions	12.31"H x 15.07"W x 3.95" D

*Optional BP43 Backpack
includes HSC/PWM*

Specification Backpack	BP41	BP43
SmartStack I/O Support	2 Modules**	4 Modules**
CsCAN Network Support	Yes	Yes
SmartStix I/O Support	Yes	Yes
FOX Fiber Optic I/O Support	Yes	Yes
1 MHz HSC and PWM Support	No	Yes

Specification Video Input Option	VIM401***
Provides Four (4) NTSC or PAL Video Inputs.	

* Total Ladder scan is impacted by several factors — logic, I/O, screen, and communications updates.
** If SmartStack I/O modules will be snapped on a QX Backpack, order plastic SmartStack I/O modules.
*** Available Spring/Summer 2009

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