A complete machine interface solution.

Cost effective lean automation solutions, globally available for the machine OEM.

The new XV and XP Series of operator interfaces represent the broadest set of solutions Eaton has introduced in more than 25 years of HMI innovation. This family of high performance platforms provide unmatched flexibility, with a slim OEM design and a variety of communication port options that include onboard Ethernet on all models. With screen sizes ranging from 3.5 to 15 inches, vast communications capabilities, and a single development software package, the XV and XP Series represent a complete solution to any HMI application.

Eaton combines cost optimized components with innovative solutions to increase efficiency and reduce:

• Size and cost

• Development expense and complexity

• Construction and commissioning time

• Machine support and administration

Mount Landscape or Portrait

Run applications in both landscape and portrait modes. Clip-mount installation is fast and flexible.

F·T·N
Powering Business Worldwide

The XV and XP Series—cost effective lean automation solutions globally available for the machine OEM.

Easy Configuration.
Seamless Integration.

Visual Designer—A Single Software Solution

At the heart of any good operator interface system is powerful and intuitive software. For this reason, Eaton introduces Visual Designer. When coupled with this new software package, XV and XP Series operator interfaces communicate with virtually any network, any PLC, any Web client, and any database.

Development is simplified by the ability to seamlessly scale a single application across all XV and XP Series models. The Visual Designer runtime and Web server licenses are pre-installed on all XV and XP Series units, eliminating the hassle and cost of purchasing and installing separately.

Housing choices

Slim, light-weight designs are available in both plastic and metal housings.

Communications

Both serial and Ethernet connectivity options are available on all models.

The XV Series

XV Series operator interface with Windows CE 5.0 Professional operating system

- 3.5-in to 10.4-in screen sizes in cost effective plastic or metal housing
- Ethernet and serial ports on all models
- Resistive touchscreen with flush bezel

- 64k color TFT display
- 40,000 hour LED backlight half-life with selectable dimming
- 24Vdc nominal rated power supply (-20%/+25%) with polarity protection

- 32 Bit RISC, 400 MHz Processor
- IP65, NEMA 4X (indoor)
- CE, UL/cUL, RoHS
- Ambient conditions are 0 to 50°C, 10 to 95% relative humidity, non-condensing

- Pre-installed Visual Designer runtime and Web serving licenses for 1500 tags, three drivers and one Web session
- Field upgradeable to 4000 max tags, 3 drivers; 1, 2, 4, or 8

XV Midrange Operator Interface

Model	XV-102			XV-152		
Screen size	3.5-in	5.7-in	7.0-in	5.7-in	8.4-in	10.4-in
Pixel Resolution (landscape)	QVGA 320 x 240	VGA 640 x 480	WVGA 800 x 480	VGA 640 x 480		
Non-volatile memory	125 KB NVRAM/ 64 MB NAND 1 SD card slot	125 KB NVRAM / 64 MB NAND 2 MB NOR 1 SD card slot		125 KB NVRAM / 64 MB NAND 2 MB NOR 1 SD card slot		
Communication ports	Ethernet 10/100 RS-485 or RS-232	Ethernet 10/100 RS-485, RS-232 USB Host		Ethernet 10/100 RS-485, RS-232 USB Host		
Housing material	Plastic			Metal		
Dimensions WxHxD mm	136 x 100 x 30	170 x 130 x 39	210 x 135 x 38	212 x 156 x 53	275 x 208 x 53	345 x 260 x 54
Approximate weight lbs (kg)	0.7 (0.3)	1.3 (0.6)	1.3 (0.6)	2.9 (1.3)	4.3 (2.1)	6.1 (3.0)

The XV and XP Series – A Complete HMI Solution

Peace of Mind

All of these capabilities—combined with Eaton's commitment to provide free technical support for both OI hardware and software—make it quick and easy to purchase, develop and deploy XV and XP operator interface solutions.

A Complete Range of OI Solutions—And More

The XV and XP Series, along with Visual Designer software, completes Eaton's strong portfolio of operator interfaces and logic control products. Along with a broad selection of industrial control components, Eaton is a single-source global supplier for automation and control products.

The XP Series

XP Series operator interface with Windows XP Embedded operating system

- 8.4-in to 15.0-in screen and blind node
- Infrared touchscreen, non-reflective safety glass and metal housing for demanding environments
- Multiple Ethernet, serial, and USB ports on all models

- All solid-state media increases reliability
- Open architecture compatible with third party software and hardware
- Non-corruptible OS with Protect Mode® increases security and minimizes emergency and preventative maintenance downtime

- Pre-installed Visual Designer runtime and Web serving licenses
- Ambient conditions are 0 to 50°C, 10 to 95% relative humidity, non-condensing
- 24Vdc nominal rated power supply (−15%/+20%) with polarity protection

- 1 x PCI 32-bit slot for COMM modules
- CE, UL/cUL, RoHS

XP Performance Operator Interface

Model	XP-702				
Screen size	8.4-in	10.4-in	12.1-in	15.0-in	Blind Node (no display)
Display, colors	Color TFT, Selectable 16 million, 64k, or 256 colors				VGA and DVI-D output
Pixel Resolution (landscape)	SVGA 800 x 600		XGA 1024 x 768		800 x 600 to 1920 x 1200
Backlight	2 CCFL		4 CCFL		—
Lifespan of backlight (half-life)	50,000 hrs				—
Protection type	IP65, NEMA 4X (indoor)				IP20, NEMA 1
Dimensions - WxHxD Standard / D Enterprise (mm)	275 x 208 x 102/140	345 x 260 x 91/129	361 x 279 x 98/136	427 x 322 x 101/139	264 x 194 x 58/96
Approximate weight lbs standard models / lbs enterprise models (kg)	6.4/7.3 (3.2/3.6)	8.3/9.1 (4.1/4.5)	9.5/10.3 (4.7/5.1)	12.8/13.6 (6.3/6.7)	3.9/4.7 (1.9/2.3)
Processor	1 GHz Celeron M on all Standard models. 1.8 GHz Pentium M on all Enterprise models.				
Communication ports	Ethernet 1 x 10/100 and 1 x 10/100/1000 2 x RS-232, 4 x USB 2.0 Host				
Non-volatile memory (All are removable CompactFlash)	4 GB min C drive (OS), 1 GB min D drive on all Standard models 4 GB min C drive (OS), 1 GB min D drive on all Enterprise models				
Pre-licensed tags, drivers, Web sessions	Standard models 4000 tags, 5 drivers, 1 Web session. Enterprise models 64,000 tags, 8 drivers, 1 Web session.				
Field upgradeable max tags, drivers, Web sessions	64,000 tags, 8 drivers; 1, 2, 4, 8, 16, 32, 64, 128, or 256 Web sessions simultaneously				

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