

XV & XP Series Operator Interfaces



A complete solution
to any application.

EATON

Powering Business Worldwide

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Easy Configuration. Seamless Integration.

A Complete HMI Solution

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.

Visual Designer—A Single Software Solution

At the heart of any good operator interface system is a powerful and intuitive software package. For this reason, Eaton introduces Visual Designer. When coupled with this new software package, XV and XP Series operator interfaces can 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.

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.

Mount Landscape or Portrait

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



Communications

A broad array of serial and Ethernet connectivity options are on all models.



Attractive Design

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



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



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



The XV Series



XV Series operator interface with Windows CE operating system

- 3.5", 5.7", 7.0", 8.4", and 10.4" screen sizes
- Cost effective plastic or metal housing
- Resistive touchscreen with flush bezel
- Ethernet and serial ports on all models
- Pre-installed Visual Designer runtime and Web serving licenses

Series	XV Midrange Operator Interface					
Model	XV-102			XV-152		
Screen size	3.5"	5.7"	7.0"	5.7"	8.4"	10.4"
Operating system	WinCE 5.0 Professional					
Touchscreen technology	Resistive					
Display, colors	Color TFT, 64k colors					
Pixel Resolution (landscape) portrait mode also available	QVGA 320 x 240	VGA 640 x 480	WVGA 800 x 480	VGA 640 x 480		
Backlight	LED, selectable dimming					
Lifespan of backlight (half-life)	40,000 hrs					
Processor	32 Bit RISC, 400 MH					
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			
Communication ports	Ethernet 10/100 RS-485 or RS-23 USB Device		Ethernet 10/100 RS-485, RS-232 USB Host, USB Device			
Slots for COMM modules	None					
Power supply rated voltage	24Vdc nominal (-20%/+25%) with polarity protection					
Ambient conditions, operation	0 to 50°C, 10 to 95% rel. humidity, non-condensing					
Agency standards	CE, UL/cUL, CSA (pending), RoHS					
Protection type	IP65, NEMA 4X (indoor)					
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)
Development software	Visual Designer (VISUALDCE or VISUALDXP)					
Runs third-party software	No					
Pre-licensed tags, drivers, Web sessions	1500 tags, 3 drivers, 1 Web session					
Field upgradeable max tags, drivers, Web sessions	4000 tags, 3 drivers; 1, 2, 4, or 8 Web sessions simultaneously					

The XP Series



XP Series operator interface with Windows XP Embedded operating system

- 8.4", 10.4", 12.1", and 15.0" screen sizes, and blind node
- Infrared touchscreen, 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

Series	XP Performance Operator Interface				
Model	XP-702				
Screen size	8.4"	10.4"	12.1"	15.0"	Blind Node (no display)
Operating system	Windows XPe				
Touchscreen technology	Infrared, non-reflective safety glass				N/A
Display, colors	Color TFT, Selectable 16 million, 64k, or 256 colors				VGA and DVI-D output
Pixel Resolution (landscape) portrait mode also available	SVGA 800 x 600		XGA 1024 x 768		800 x 600 to 1920 x 1200
Backlight	2 CCFL		4 CCFL		N/A
Lifespan of backlight (half-life)	50,000 hrs				N/A
Processor	1 GHz Celeron M on all Standard models 1.8 GHz Pentium M on all Enterprise models				
Non-volatile memory (All are removable CompactFlash)	2 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				
Communication ports	Ethernet 1 x 10/100 and 1 x 10/100/1000 2 x RS232 with 1 x RS-485 adapter, 4 x USB 2.0 Host				
Slots for COMM modules	1 x PCI 32-bit				
Power supply rated voltage	24Vdc nominal (-15%/+20%) with polarity protection				
Ambient conditions, operation	0 to 50°C, 10 to 95% rel. humidity, non-condensing				
Agency standards	CE, UL/cUL, CSA (pending), RoHS				
Protection type	IP65, NEMA 4X (indoor)				IP20, NEMA 1
Housing material	Metal				
Dimensions WxHxD Standard models / D Enterprise models (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)
Development software	Visual Designer (VISUALDXP)				
Runs third-party software	Yes				
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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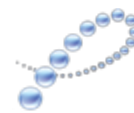
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