



TITLE: PRODUCT SPECIFICATIONS, ESY X-SERIES REV B

NUMBER: PS600269

REVISION: C

OWNER: Engineering

Change History			
Rev	Author	Date	Description
A	Mark Wu	Jan 25, 2018	- Initial release per CO-18-2209
B	Mark Wu	May 1, 2018	- Revise per CO-18-2694 - Update 15X/17X/20X PNs list to remove the SAW configuration per PdM product plan request. - Update WiFi spec description to 802.11 a/b/g/n/ac. - Correct the X2 model CPU brand name from Pentim to Celeren configuration. - Update TPM spec description to 2.0. - Add E481268 back for standard PN. - Add Printer Stand Kit PN E847771, E185084
C	Mark Wu	Sep 27, 2018	- Revise per CO-18-xxxx - Update the category description from Hard Disk Drive to Storage. - Add SSD 72 TBW spec. - Update AMI support description to 10.0/11.0. - Add (38.7°C max wet bulb temperature) description to Humidity / Storage spec. - Remove PN E274270 and update option KIT PN E661266 for 500GB 5400rpm Hard Disk Drive. - Correct and update wording. - Add Dallas Key Kit – Elo P/N E055348 to Optional Peripherals



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Model	ESYxxX2 Model	ESYxxX3 Model	ESYxxX5 Model	ESYxxX7 Model
Enclosure Color	Black	Black	Black	Black
Active Display Area (W x H)	15" models: 11.97" x 8.98" (304.12mm x 228.1mm) 17" models: 13.30" x 10.64" (337.92mm x 270.36mm) 19.5" models: 17.1" x 9.39" (434.88mm x 238.68mm)			
Maximum Touchcomputer Dimensions With Stand (W x H x D)	15" models: 14.38" x 13.73" x 2.65" (365.18mm x 348.84mm x 251.7mm) 17" models: 15.64" x 15.40" x 2.86" (397.29mm x 391.07mm x 251.7mm) 19.5" models: 19.37" x 14.05" x 9.91" (492.12mm x 356.9mm x 251.7mm)			
Maximum Touchcomputer Dimensions Without Stand (W x H x D)	15" models: 14.49" x 12.83" x 2.45" (368.15mm x 312.01mm x 62.24mm) 17" models: 15.63" x 13.94" x 2.67" (397.19mm x 354.24mm x 67.73mm) 19.5" models: 19.37" x 12.60" x 2.55" (492.12mm x 320.03mm x 65.0mm)			
LCD Technology	Active matrix TFT LED LCD			
Diagonal Size	15" models: 15" (381.1mm) diagonal 17" models: 17" (431.8mm) diagonal 19.5" models: 19.5" (495.3mm) diagonal			
Processor	Intel® Celeron® Processor N3450 (2M Cache, up to 2.2 GHz)	Intel® Core™ i3-6100TE Processor (4M Cache, 2.70 GHz) 4 MB Intel® Smart Cache 8 GT/s Direct Media Interface 3 (DMI3)	Intel® Core™ i5-6500TE Processor (6M Cache, up to 3.30 GHz) by Intel® Turbo Boost Technology 2.0) 6MB Intel® Smart Cache 8 GT/s Direct Media Interface 3 (DMI3)	Intel® Core™ i7-6700TE Processor (8M Cache, up to 3.40 GHz) by Intel® Turbo Boost Technology 2.0) 8MB Intel® Smart Cache 8 GT/s Direct Media Interface 3 (DMI3)
Chipset	N/A	Intel H110 Express	Intel Q170 Express	Intel Q170 Express
Video	Intel HD Graphics 500	Intel HD Graphics 530	Intel HD Graphics 530	Intel HD Graphics 530
BIOS	AMI	AMI	AMI	AMI
Memory (RAM)	4GB 1600MHz DDR3L SO-DIMM on 1 of 2 slots (Expandable to 8GB maximum ¹ on 2 slots) ³	4GB 2133MHz DDR4 SO-DIMM on 1 of 2 slots (Expandable to 16GB maximum ² on 2 slots) ³		



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	¹ Maximum memory using 2 slots. Expandable up to 8GB maximum, SO-DIMM DDR3L-1600 (PC3-12800). ³ Check brand of the memory included in your unit before purchasing the memory kit.		² Maximum memory using 2 slots. Expandable up to 16GB maximum, SO-DIMM DDR4-2400 (PC4-19200). ³ Check brand of the memory included in your unit before purchasing the memory kit.	
Storage	128GB 2.5" SATA SSD ⁴ , 72 TBW ⁴ GB equals one billion bytes when referring to storage capacity. Accessible capacity may be less.			
Mounting Options	100mm VESA mount or secure base to tabletop/desktop			
Ethernet Port	1 x LAN RJ45 (Gigabit), 1 additional on Expansion Module			
Wireless LAN	802.11 a/b/g/n/ac			
Bluetooth	BT 4.0			
USB Ports	2 x USB 3.0 on I/O 4 x USB 2.0 (2 on I/O, 2 on USB Front Access). 3 x USB 2.0 on edges for optional Elo peripherals.	2 x USB 3.0 on I/O 4 x USB 2.0 (2 on I/O, 2 on USB Front Access). 3 x USB 2.0 on edges for optional Elo peripherals.	4 x USB 3.0 on I/O 2 x USB 2.0 (USB Front Access). 3 x USB 2.0 on edges for optional Elo peripherals.	
RAID	N/A	N/A	RAID 0 / RAID 1	
TPM	N/A	N/A	TPM 2.0	
AMT	N/A	N/A	Active Management Technology (Intel® AMT 10.0/11.0) Support.	
Powered USB	1 x 24V on I/O	1 x 24V on I/O	1 x 24V on I/O	
Serial Ports	1 x Serial RS-232 (standard), 1 x RJ45 (Native serial); 2 additional on Expansion Module.			
Cash Drawer Port	12V/24V Cash Drawer Port on I/O (24V default; selectable by BIOS setting)			
Additional Ports	See "Expansions & Upgrades" section			
Additional Video Out	2nd VGA output, DP output			
Audio Ports	1 x 3.5 mm Line out 1 x 3.5 mm MIC in			
Speakers	Two 2W internal speakers			
Operating System Options	No Operating System Microsoft Windows 10 IoT Enterprise LTSB 64-bit	No Operating System Microsoft Windows 7 Professional 64-bit ⁵ Microsoft Windows POSReady7 64-bit Microsoft Windows 10 IoT Enterprise LTSB 64-bit		
		⁵ Select Windows 7 systems (excluding POS 7 systems) are preinstalled with Windows 7 and come with a license for Windows 10 at no additional charge. If your system has a Windows 10 license sticker, then your system includes this feature and, subject to the licensing terms for the Windows software, you may temporarily use the loaded Windows version before upgrading.		
Languages	Windows 10 - 36 Language groups	Windows 7 - 35 Language groups Windows POSReady7 - 35 Language groups Windows 10 - 36 Language groups		



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Native (optimal) Resolution	15" models: 1024 x 768 @ 60Hz 17" models: 1280 x 1024 @ 60Hz 19.5" models: 1920 x 1080 @ 60Hz			
Control Buttons	Power, brightness up, brightness down, volume up, volume down Security Lockouts: Power and Control buttons lock.			
Aspect Ratio	15" models: 4:3 (standard) 17" models: 5:4 (standard) 19.5" models: 16:9 (standard)			
Number of Colors	15" models: 16.2 million 17" models: 16.7 million 19.5" models: 16.7 million			
Brightness (typical)	LCD panel: 250 nits AccuTouch: 200 nits (15"/17" Models) IntelliTouch Zero-bezel: 225 nits (15"/17" Models) TouchPro PCAP: 212.5 nits. (15"/17"/19.5" Models)			
Response Time Total (typical)	15" models: Total: 16 msec 17" models: Total: 5 msec 19.5" models: Total: 20 msec			
Viewing Angle (typical)	15" models: Horizontal: 80°/85° or 165° total Vertical: 70°/80° or 150° total 17" models: Horizontal: ± 85° or 170° total Vertical: ± 80° or 160° total 19.5" models: Horizontal: 178° total Vertical: 178° total			
Contrast Ratio (typical)	15" models: 700:1 17" models: 1000:1 19.5" models: 3000:1			
Power Supply	External 19VDC universal-type power supply brick AC input voltage: 100-240 VAC Input frequency: 50-60 Hz Maximum output power: 150W			
Max Power Consumption (without peripherals)	15" models: 33W 17" models: 38W 19.5" models: 39W	15" models: 55W 17" models: 60W 19.5" models: 71W	15" models: 59W 17" models: 64W 19.5" models: 75W	15" models: 59W 17" models: 64W 19.5" models: 75W
Energy Star Support	Yes	Yes	Yes	Yes



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Shipping Box Dimensions (W x H x D)	15" models: 515mm x 365mm x 435mm 17" models: 595mm x 365mm x 480mm 19.5" models: 690mm x 366mm x 445mm
Weight (with stand and Expansion Module)	15" models: 16.32 lbs (7.41kg) 17" models: 17.09 lbs (7.76kg) 19.5" models: 17.73 lbs (8.05kg)
Weight (with stand)	15" models: 15.17 lbs (6.89kg) 17" models: 15.95 lbs (7.24kg) 19.5" models: 16.59 lbs (7.53kg)
Weight (without stand)	15" models: 9.43 lbs (4.31kg) 17" models: 10.26 lbs (4.66kg) 19.5" models: 10.90 lbs (4.95kg)
Shipping Weight (With stand)	15" models: 21.92 lbs (9.95kg) 17" models: 25.33 lbs (11.5kg) 19.5" models: 25.83 lbs (11.73kg)
Temperature	Operating: 0°C to 35°C (32°F to 95°F) Storage: -20°C to 60°C (-4°F to 140°F)
Humidity (non-condensing)	Operating: 20% to 80% Storage: 5% to 95% (38.7°C max wet bulb temperature)
Regulatory approvals and declarations	UL/cUL , FCC, TUV, CE, CB, Mexico COC, C-Tick, VCCI, Argentina S-Mark, CCC
Form Factor	Desktop
Real-Time Clock	Replaceable lithium-ion battery for clock
MTBF	50,000 hours demonstrated
Sealability	Touchscreen sealed to sub-bezel Touchscreen sealed to LCD
Power Cables	North American and European power cables included
Other Features	Serviceable internal components. Threaded holes on bottom of stand for high and low display position. Removable base with 100mm VESA mounting. Kensington lock.
Expansion Options	Expansion Module for additional I/O port support. <ul style="list-style-type: none">- 2 x Serial RS-232 (Standard)- 1 x Giga LAN- 1 x Powered USB (+12V)



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Upgrade Options	<ul style="list-style-type: none"> - 500GB 5400rpm Hard Disk Drive (HDD) – Elo P/N: E661266 - 1TB 5400rpm Hard Disk Drive (HDD) – Elo P/N: E274466 - 256GB 2.5" SATA SSD – Elo P/N: E061525 - 2GB DDR3L Memory SO-DIMM – Elo P/N: E273479 - 4GB DDR3L Memory SO-DIMM – Elo P/N: E273670 - 8GB DDR3L Memory SO-DIMM – Elo P/N: E273865 - 4GB DDR4 Memory SO-DIMM – Elo P/N: E275416 - 8GB DDR4 Memory SO-DIMM – Elo P/N: E275635
Accessories	Replacement DC Power Supply Kit: 19V/150W PS, PN: E394965 is available at additional cost.
Stand, Mounts & Kits	<ul style="list-style-type: none"> - Wall Mount Kit – Elo P/N: E143088 - Rear Facing display Pole Mount Kit – Elo P/N: E038989 - Replacement Stand Kit – Elo P/N: E044356
Optional Peripherals	<ul style="list-style-type: none"> - Biometric Fingerprint Reader (FPR) – Elo P/N: E001001 - Magnetic Stripe Reader (MSR) – Elo P/N: E001002 - Customer Display (2x20 VFD) – Elo P/N: E001003 - NFC Reader – Elo P/N: E001004 - 7" LCD Customer Display – Elo P/N: E791658 (AccuTouch) - Expansion Module – Elo P/N: E001006 - Bar Code Reader (BCR) – Elo P/N: E267080 - 10" LCD customer display (10 touch) – Elo P/N E045337 (requires pole mount kit E039989) - 10" LCD customer display (no touch) – Elo P/N E138394 (requires pole mount kit E039989) - WEBCAM Kit – Elo P/N: E275233 - 2D Scanner Kit – Elo P/N: E926356 - EMV Cradle INGENICO ICMP - Elo P/N: E200788 - EMV Cradle VERIFONE E355 - Elo P/N: E201363 - Expansion Hub Kit - Elo P/N: E990645 - Printer Stand Kit (Black)– Elo P/N: E847771 - Printer Stand Kit (White)– Elo P/N: E185084 - Dallas Key Kit – Elo P/N E055348
Warranty	Three years (Extend two years with additional charge)
Optional Product Coverage	Advance Unit Replacement program (North America only) Extended Warranty (North America and EMEA only)



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What's in the box	<ul style="list-style-type: none">- X-Series RevB Touchcomputer- North America Power Cord- EU Power Cord- Power Adapter – 150W- Cable RJ-45 to DB-9- Cable cover locking screw- Quick Installation Guide (QIG)
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Part Number(s) for X-Series 15-inch AiO Touchscreen Computer

Part Number	Part Description	Touch Technology	OS	Surface Treatment	Touch Interface
E481268	ESY15X2-2UWB-1-MT-ZB-4G-1S-NO-00-BK	TouchPro PCAP	None	Antiglare	USB
E516649	ESY15X2-2UWB-1-MT-ZB-4G-1S-W1-64-BK	TouchPro PCAP	Window 10	Antiglare	USB
E481450	ESY15X2-7UWB-1-ST-NB-4G-1S-NO-00-BK	AccuTouch	None	Antiglare	USB
E516845	ESY15X2-7UWB-1-ST-NB-4G-1S-W1-64-BK	AccuTouch	Window 10	Antiglare	USB
E481651	ESY15X3-2UWB-1-MT-ZB-4G-1S-NO-00-BK	TouchPro PCAP	None	Antiglare	USB
E517028	ESY15X3-2UWB-1-MT-ZB-4G-1S-W1-64-BK	TouchPro PCAP	Window 10	Antiglare	USB
E517231	ESY15X3-2UWB-1-MT-ZB-4G-1S-W7-64-BK	TouchPro PCAP	Window 7	Antiglare	USB
E481852	ESY15X3-7UWB-1-ST-NB-4G-1S-NO-00-BK	AccuTouch	None	Antiglare	USB
E517441	ESY15X3-7UWB-1-ST-NB-4G-1S-W1-64-BK	AccuTouch	Window 10	Antiglare	USB
E517815	ESY15X3-7UWB-1-ST-NB-4G-1S-W7-64-BK	AccuTouch	Window 7	Antiglare	USB
E548427	ESY15X5-2UWB-1-MT-ZB-4G-1S-W7-64-BK	TouchPro PCAP	Window 7	Antiglare	USB
E548623	ESY15X5-2UWB-1-MT-ZB-4G-1S-W1-64-BK	TouchPro PCAP	Window 10	Antiglare	USB

Part Number(s) for X-Series 17-inch AiO Touchscreen Computer

Part Number	Part Description	Touch Technology	OS	Surface Treatment	Touch Interface
E518201	ESY17X2-2UWB-1-MT-ZB-4G-1S-NO-00-BK	TouchPro PCAP	None	Antiglare	USB
E518608	ESY17X2-2UWB-1-MT-ZB-4G-1S-W1-64-BK	TouchPro PCAP	Window 10	Antiglare	USB
E482235	ESY17X2-7UWB-1-ST-NB-4G-1S-NO-00-BK	AccuTouch	None	Antiglare	USB
E518989	ESY17X2-7UWB-1-ST-NB-4G-1S-W1-64-BK	AccuTouch	Window 10	Antiglare	USB
E519571	ESY17X3-2UWB-1-MT-ZB-4G-1S-NO-00-BK	TouchPro PCAP	None	Antiglare	USB
E519178	ESY17X3-2UWB-1-MT-ZB-4G-1S-W1-64-BK	TouchPro PCAP	Window 10	Antiglare	USB
E519777	ESY17X3-2UWB-1-MT-ZB-4G-1S-W7-64-BK	TouchPro PCAP	Window 7	Antiglare	USB
E520754	ESY17X3-7UWB-1-ST-NB-4G-1S-NO-00-BK	AccuTouch	None	Antiglare	USB
E520956	ESY17X3-7UWB-1-ST-NB-4G-1S-W1-64-BK	AccuTouch	Window 10	Antiglare	USB
E521330	ESY17X3-7UWB-1-ST-NB-4G-1S-W7-64-BK	AccuTouch	Window 7	Antiglare	USB
E548822	ESY17X5-2UWB-1-MT-ZB-4G-1S-W7-64-BK	TouchPro PCAP	Window 7	Antiglare	USB
E549028	ESY17X5-2UWB-1-MT-ZB-4G-1S-W1-64-BK	TouchPro PCAP	Window 10	Antiglare	USB



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Part Number(s) for X-Series 19.5-inch AiO Touchscreen Computer

Part Number	Part Description	Touch Technology	OS	Surface Treatment	Touch Interface
E521522	ESY20X2-2UWB-1-MT-ZB-4G-1S-NO-00-BK	TouchPro PCAP	None	Antiglare	USB
E521725	ESY20X2-2UWB-1-MT-ZB-4G-1S-W1-64-BK	TouchPro PCAP	Window 10	Antiglare	USB
E521927	ESY20X3-2UWB-1-MT-ZB-4G-1S-W1-64-BK	TouchPro PCAP	Window 10	Antiglare	USB
E522109	ESY20X3-2UWB-1-MT-ZB-4G-1S-W7-64-BK	TouchPro PCAP	Window 7	Antiglare	USB
E549231	ESY20X5-2UWB-1-MT-ZB-4G-1S-W7-64-BK	TouchPro PCAP	Window 7	Antiglare	USB
E549423	ESY20X5-2UWB-1-MT-ZB-4G-1S-W1-64-BK	TouchPro PCAP	Window 10	Antiglare	USB



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Documentation List

Document Number	Description
MS601935	DIMENSIONAL DRAWING, ESY X-SERIES REV B
UM600139	USER GUIDE, X-SERIES REV B
UM600140	USER GUIDE, X-SERIES REV B EU SPANISH
UM600141	USER GUIDE, X-SERIES REV B LA SPANISH
UM600142	USER GUIDE, X-SERIES REV B FRENCH
UM600143	USER GUIDE, X-SERIES REV B ITALIAN
UM600144	USER GUIDE, X-SERIES REV B GERMAN
UM600145	USER GUIDE, X-SERIES REV B JAPANESE
UM600146	USER GUIDE, X-SERIES REV B SIM CHINESE
MD600059	DECLARATIONS OF CONFORMITY, ESY15XX, ESY17XX SERIES
MD600062	AGENCY DOCUMENTS, ESY20XX

MTBF (Mean Time Between Failures) An MTBF measurement is based on a statistical sample and is not intended to predict any one specific unit's reliability; thus MTBF is not, and should not be construed as, a warranty measurement.

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