



Panel IPC

Huge flexibility. Extreme durability.

ESA Automation XS7 industrial PC family offers a complete range of Panel PCs based on different CPUs: Intel iCore i3, i5 and i7, Intel Atom Dual Core and Intel Celeron Quad Core that can meet any automation requirement.

Precise design, quality components and mechanical strength, combined with configuration flexibility make XS7 the perfect IPC solution for harsh environments, including those with high concentrations of dust, severe vibrations or high temperatures.

These are XS7 Panel IPC main features:

- Wide choice of LCD size and touch screens from 7" wide up to 19"
- High configuration flexibility with HDD, SSD, mSATA/CFast, PCI/PCIe slot, CPU and RAM
- Elegant and precise industrial design, available with aluminum or INOX stainless steel finishing for the front bezel
- Removable HDD/SSD
- RAID function

XS7 Industrial Panel Dynamic iCore

Features	XS712	XS715	XS717	XS719
Display Size	12,1" SVGA - 12,1" XGA	15"	17"	19"
Display Technology	TFT			
Display Colors	16,7 M			
Display Backlight	LED			
Backlight life (hours)	50k			
Display Resolution (pixel)	800x600 (SVGA) - 1024x768 (XGA)	1024 x 768	1280 x 1024	
Touch screen Type	Analog resistive (5 wires)			
CPU	Intel® Celeron B810 1.6GHz, Intel® iCore i3-2330E 2.2 GHz, i5-2510E 2.5 GHz, i7-2710QE 2.1GHz			
Chipset	QM67PCH			
Graphics embedded	Intel HD Graphics - 3000			
DMI	DMI 5GT/S			
RAM	up to 16GB DDR3 SODIMM 204pin Dual Channel 1066/1333 MHz			
Hard disk/SSD (opt.)	min. 500 GB SATA 2,5" / SSD 16 GB			
Internal Compact Flash (opt.)	1 x			
External Compact Flash Slots (opt.)	1 x			
RS232 serial port	2 x			
RS485 serial port	1 x			
USB on front (2.0) IP66	1 x			
USB on rear (2.0)	4 x			
Green led on front	1 x			
PS/2 keyboard / mouse port	1 x			
PCI Slot 1 (opt.)	1 x			
PCI Slot 2 (opt.)	1 x			
PCIe slot 16x (opt.)	1 x			
Wi-Fi card (opt.)	PCIe			
Video port	1 x DVI-D + 1 x VGA			
Audio port	MIC IN + Line IN + Line OUT			
Ethernet ports RJ45	2 x Ethernet 10/100/1000 Mbit Intel 82579 - RTL 8111			
External (W x H x D) (mm)	336 x 256 x 81	425 x 300 x 85,5	446 x 346 x 84	508 x 384 x 92,5
Cut-out (W x H) (mm)	321 x 240	393 x 275	426 x 326	477 x 355
Back-up with battery	1 x			
Power supply (Vdc)	18...30 max 75 W	18...30 max 85 W	18...30 max 95 W	
Power consumption (W) (24 Vcc basic config - NO PCI CARDS)	48/58	55/65	67/77	
Protection level	IP 66 on front			
Operating temperature (°C)	0...+50 (non condensing)			
Storage temperature (°C)	-20...+65			
Humidity	90% (non condensing)			
Weight (kg)	- 5	- 6,5	- 9	- 11
Certifications	Atex (Group II - cat.3 G D) / Environment EN 60068-2-6/27/30 / Immunity EN 61000-6-2 / Emissions 61000-6-4			
Optional kits				
RAID 2xHDD function	Yes			
Removable HDD/SSD	Yes			
DVD-RW Sata	External (opt.)			
Operating system	WIN7 - WES7 - XP Pro for Embedded			

XS7 Industrial Panel PC Fanless Atom

Features	XS7W7		XS708	XS712	XS715	XS717	XS719
Display Size	7" Wide		8,4"	12,1" SVGA - 12,1" XGA	15"	17"	19"
Display Technology	TFT						
Display Colors	16,7 M						
Display Backlight	LED						
Lamp life (min. at 25 °C)	50k						
Display Resolution (pixel)	800x600	800x600 (SVGA) 1024x768 (XGA)	1024 x 768		1024 x 768	1280 x 1024	
Touch screen Type	Analog resistive (4 wires)			Analog resistive (5 wires)			
CPU Fanless	Intel® ATOM 1,6Ghz N270			Intel® ATOM Dual Core 1,86 GHz N2800			
Chipset	945GSE + ICH7M			NM10			
Graphics	Intel® GMA 950			Intel® GMA 3650			
FSB	533 MHz			DMI 2,5 GT/s			
RAM	up to 2GB DDR2 SODIMM 200pin			Up to 4GB DDR3 SODIMM 204 pin			
Hard disk / SSD (optional)	min. 500 GB SATA 2,5" / SSD 16 GB						
Compact Flash Slots Internal (opt.)	1 x						
Compact Flash Slots External (opt.)	1 x						
RS232 serial port	1 x			2 x			
RS485 serial port	1 x						
USB on front (2.0) IP66	1 x						
USB on rear (2.0)	2 x			4 x			
Green led on front	1 x						
PCI Slot 1 (opt.)	-	-	1 x				
PCI Slot 2 (opt.)	-	-	1 x				
Mini PCIe slot	internal 1 x			-			
PCIe slot x1 (opt.)	-	-	1 x				
Wi-Fi card (opt.)	Wi-Fi minipci / USB			PCI / USB / PCIe 1x			
Video port	1 x VGA			1xVGA + 1x DVI-I (single-link digital signal only)			
Audio port	-	-	Line-in + Line-out + Mic-in				
Ethernet ports RJ45	2 x Ethernet 10/100/1000 Mbit Intel 82574						
External (WxHxD) (mm)	228 x 155 x 80	250 x 190 x 80	336 x 256 x 81	425 x 300 x 85,5	446 x 346 x 84	508 x 384 x 92,5	
Cut-out (WxH) (mm)	219 x 145	241 x 180	321 x 240	393 x 275	426 x 326	477 x 355	
Back-up with battery	1 x						
Power supply (Vdc)	18...30 max 50 W			18...30 max 75W	18...30 max 85 W	18...30 max 95 W	
Power consumption (W) (24 Vcc basic config - NO PCI CARDS)	30			36	43	55	
Protection level	IP 66 on front						
Operating temperature (°C)	0...+50 (non condensing)						
Storage temperature (°C)	-20...+65						
Humidity	90% (non condensing)						
Weight (kg)	- 2,5	- 3	- 5	- 6,5	- 9	- 11	
Certifications	CE, Atex (Group II – cat.3 G D) / Environment EN 60068-2-6/27/30 / Immunity EN 61000-6-2 / Emissions 61000-6-4						

Optional kits

RAID 2xHDD function		-	Yes	
Removable HDD/SSD		-	Yes	
DVD-RW Sata	-	External (opt.)		Internal (opt.)
Operating system		WIN7 - WES7 - WES2009 - Win® XP Pro SP3 MUI - CE		WES2009 - Win® XP Pro SP3 MUI - WIN7 - WES7

XS7 Industrial Panel PC Fanless Celeron

Features	XS712	XS715	XS717	XS719
Display Size	12,1" SVGA - 12,1" XGA	15"	17"	19"
Display Technology	TFT			
Display Colors	16,7 M			
Display Backlight	LED			
Backlight life (hours)	50k			
Display Resolution (pixel)	800x600 (SVGA) - 1024x768 (XGA)	1024 x 768	1280 x 1024	
Touch screen Type	Analog resistive (5 wires)			
CPU Fanless	Intel® Celeron Quad Core 2,00 GHz J1900			
Chipset	SoC			
Graphics embedded	Intel® HD Graphics			
RAM	Up to 8GB DDR3L 1333 MHz SODIMM 204 pin			
Hard disk / SSD / mSATA (opt.)	min. 500 GB SATA 2,5" / SSD 16 GB / mSATA 32 GB			
CFast Internal (opt.)	1 x			
CFast Slots External (opt.)	1 x			
RS232 serial port	2 x			
RS485 serial port	1 x			
USB on front (2.0) IP66	1 x			
USB on rear (2.0/3.0)	3 x + 1 x (3.0)			
PCI Slot 1 (opt.)	1 x			
PCI Slot 2 (opt.)t	1 x			
PCIe slot x1 (opt.)	1 x			
Wi-Fi card (opt.)	PCI / USB / PCIe 1x			
Video port	1xVGA + 1x DVI-D (single-link digital signal only)			
Audio port	MIC IN + Line OUT			
Ethernet ports RJ45	2 x Ethernet 10/100/1000 Mbit Intel I210			
External Dimensions (WxHxD) (mm)	336 x 256 x 81	425 x 300 x 85,5	446 x 346 x 84	508 x 384 x 92,5
Cut-out Dimensions (WxH) (mm)	321 x 240	393 x 275	426 x 326	477 x 355
Back-up with battery	1 x			
Power supply (Vdc)	18...30 max 75W	18...30 max 85 W	18...30 max 95 W	18...30 max 95 W
Power consumption (W) (24 Vcc basic config - NO PCI CARDS)	36	43	55	
Protection level	IP 66 on front			
Operating temperature (°C)	0...+50 (non condensing)			
Storage temperature (°C)	-20...+65			
Humidity	90% (non condensing)			
Weight (kg)	- 5	- 6,5	- 9	- 11
Certifications	CE, Atex (Group II - cat.3 G D) / Environment EN 60068-2-6/27/30 / Immunity EN 61000-6-2 / Emissions 61000-6-4			

Optional kits

RAID 2xHDD function		Option
Removable HDD/SSD		Option
DVD-RW Sata	External (opt.)	Internal
Operating system		WIN7 - WES7 - WIN 8.1