

<b>General information</b>	PC120x/130x-x31	PC120x/130x-x32	PC110x-x71	PC110x-x72
Chassis	Heavy-duty stainless steel - IP65		Heavy-duty steel & aluminium front frame - IP65	
Mounting	Panel mount		Rack, 7U height	Rack, 8U height

<b>Architecture</b>				
CPU	Intel® Celeron™ 566MHz - Intel® Pentium® III 850 MHz			
RAM Memory	128 - 256 MB SDRAM		128 - 256 - 512 MB SDRAM	
LCD/CRT controller	C&T 69000 VGA controller with 2MB SDRAM			
Ethernet Network (LAN)	10/100 Base-T			
Disk Drives	HDD 20 GB, Slim FDD & CD-ROM		HDD 40 GB, Slim FDD & CD-ROM	
Free expansion slots	2 PCI or 1 ISA & 1 PCI slot		3 ISA/2PCI slot	

<b>LCD Display specifications</b>				
Type	12.1" SVGA color TFT	15" XGA color TFT	12.1" SVGA color TFT	15" XGA color TFT
Max. Resolution h-v (pixels)	800x600	1024x768	800x600	1024x768
Max. Colors	256k			
Dot size (inches h-v)	0.0121x0.0121	0.0117x0.0117	0.0121x0.0121	0.0117x0.0117
Luminance (Nits)	250			
Viewing angle (°)	120 (H) - 90 (V)	80 (H) - 80 (V)	120 (H) - 90 (V)	80 (H) - 80 (V)
Operating temperature (°F)	+32...+122			
LCD/Back Light MTBF (h)	50,000/25,000	50,000/50,000	50,000/25,000	50,000/50,000

<b>I/O ports</b>			
Serial ports 120x/1301 series	1 x RS232/2 x RS232		2 x RS232
Parallel port (supports ECP/EPP)	1		
Keyboard PS/2 port	1		
Mouse PS/2 interface	1		
USB connectors	2		
VGA connectors	1		

<b>Power supply</b>		
Universal switching power supply	10...30 Vdc/70 W	18...30 Vdc/250 W
Safety	UL, CUL, TUV	

<b>Technical data</b>				
Dimensions (W x H x D) (inches)	14.42x11.47x5.63	17.49x13.24x5.67	19.03x12.21x9.69	19.03x13.99x9.69
Cut-out (W x H) (inches)	13.12x10.17	15.96x11.78	17.22x11.35	17.22x13.47
Weight (lbs)	22	30.9	50.5	56.2
Operating temperature (°F)	+32...+122			
Storage temperature (°F)	-4...+140			
Storage humidity	5...95%, non condensing			
Vibration	5...17 Hz, 0.1" double-amplitude displacement - 17...500 Hz, 1.5G peak to peak			
Shock	10G peak acceleration (11 msec. duration)			
EMI	CE/FCC Class A			

<b>Touchscreen (120x only)</b>		
Type	analog resistive	-
Resolution (px)	1024x1024	-
Light transmission	72%	-
Lifetime (millions of operations)	100	-
Operating pressure (ounces)	0.35...1.58	-
Response time (ms)	< 10	-
OS support	MS DOS®, Windows® 3.1/95/98/NT/ME/2000	-



PC120x-x31/PC130x-x31  
256k-Color TFT LCD  
800 x 600 (12.1")



PC110x - x71  
256k-Color TFT LCD  
800 x 600 (12.1")



PC120x-x32/PC130x-x32  
256k-Color TFT LCD  
1024 x 768 (15")



PC110x - x72  
256k-Color TFT LCD  
1024 x 768 (15")

ESA Industrial PCs excel in applications that require all the power, flexibility and expandability of a PC with industrial characteristics like IP65 front panel protection and shock-protected hard disk drive.

Powerful Intel® Celeron and Pentium® III processors are available.

The PCs are equipped with either a 12" or 15" TFT display with an optional Touch Screen. All models are supplied complete with RAM memory, hard disk, CD-ROM, floppy disk, 10/100 Ethernet and are expandable using ISA and PCI expansion cards.

#### PC codes and descriptions

PC1200 - 131	12" Panel PC - Intel® Celeron™ 566MHz - RAM: 128MB - Touch
PC1201 - 231	12" Panel PC - Intel® Pentium® III 850MHz - RAM: 256MB - Touch
PC1301 - 231	12" Panel PC - Intel® Pentium® III 850MHz - RAM: 256MB
PC1200 - 132	15" Panel PC - Intel® Celeron™ 566MHz - RAM: 128MB - Touch
PC1201 - 232	15" Panel PC - Intel® Pentium® III 850MHz - RAM: 256MB - Touch
PC1301 - 232	15" Panel PC - Intel® Pentium® III 850MHz - RAM: 256MB
PC1100 - 171	12" Workstation - Intel® Celeron™ 566MHz - RAM: 128MB
PC1101 - 271	12" Workstation - Intel® Pentium® III 850MHz - RAM: 256MB
PC1101 - 371	12" Workstation - Intel® Pentium® III 850MHz - RAM: 512MB
PC1100 - 172	15" Workstation - Intel® Celeron™ 566MHz - RAM: 128MB
PC1101 - 272	15" Workstation - Intel® Pentium® III 850MHz - RAM: 256MB
PC1101 - 372	15" Workstation - Intel® Pentium® III 850MHz - RAM: 512MB

<b>General information</b>	PC1000-130	PC1000-170	PCDISPLAY12(TS)	PCDISPLAY15(TS)	PCDISPLAY17(TS)
Chassis	Heavy-duty stainless steel - IP65		Heavy-duty stainless steel & aluminium front frame - IP65		
Mounting	Panel mount		Panel mount/Rear mount		Panel mount/Rear mount/Rack 9U

<b>Architecture</b>						
CPU	Intel® Celeron™ 566MHz					
RAM Memory	128 MB SDRAM					
LCD/CRT controller	C&T 69000 VGA controller with 2MB SDRAM					
Ethernet Network (LAN)	10/100 Base-T					
Disk Drives	HDD min10 GB, Slim FDD & CD-ROM					
Free expansion slots	2PCI or 1ISA & 1PCI	3 ISA/2PCI				

<b>LCD Display specifications</b>						
Type	-	12.1" SVGA color TFT	15" XGA color TFT	17" SXGA color TFT		
Max. Resolution h-v (pixels)	-	800x600	1024x768	1280x1024		
Max. Colors	-	262K		16M		
Dot size (inches h-v)	-	0.0121x0.0121	0.0117x0.0117	0.0104x0.0104		
Luminance (Nits)	-	250		260		
Viewing angle (°)	-	120 (H) - 90 (V)	160 (H) - 160 (V)	140 (H) - 140 (V)		
Operating temperature (°F)	-	+32...+113				
Back Light MTBF (h)	-	50,000		40,000		

<b>I/O ports</b>						
Serial ports	2 x RS232		RS232 for touch screen			
Parallel port (supports ECP/EPP)	1					
Keyboard PS/2 port	1					
Mouse PS/2 interface	1					
USB connectors	2					
VGA connectors	1		1 (for PC connection)			
Video input connectors			Composite, S-Video			

<b>Power supply</b>						
Universal switching power supply	10...30 Vdc/70 W	18...30 Vdc/250 W	Input: 100...240 Vac, output: 12 Vdc (external)			
Safety	UL, CUL, TUV		UL, CUL, TUV			

<b>Technical data</b>						
Dimensions (W x H x D) (inches)	11.74x8.94x3.94	15.92x9.94x7.29	14.42x11.47x3.38 <sup>1</sup>	17.49x13.24x3.56 <sup>1</sup>	19.03x15.72x3.71 <sup>1</sup>	
Cut-out (W x H) (inches)	-		13.12x10.17	15.96x11.78	17.69x14.38	
Weight (lbs)	9.9	23.1	12.1	14.3	33.7	
Operating temperature (°F)	+32...+122		+32...+113			
Storage temperature (°F)			-4...+140			
Storage humidity	5...95%, non condensing		10...95%, non condensing			
Vibration	5...17 Hz, 0.1" double-amplitude displacement		-17...500 Hz, 1.5G peak to peak			
Shock			10G peak acceleration (11 msec. Duration)			
EMI			CE/FCC Class A			

<b>Touch screen (TS models)</b>						
Type	-		Analog resistive			
Resolution (px)	-		1024x1024	4096x4096		
Light transmission	-		75%			
Lifetime (millions of operations)	-		1	35		
Operating pressure (ounces)	-		1.76	< 3.98		
Response time (ms)	-		< 10			
OS support	-		MS DOS®, Windows® 3.1/95/98/NT/ME/2000			

① - The total depth includes the rear-mounted power supply (1.45 inches)

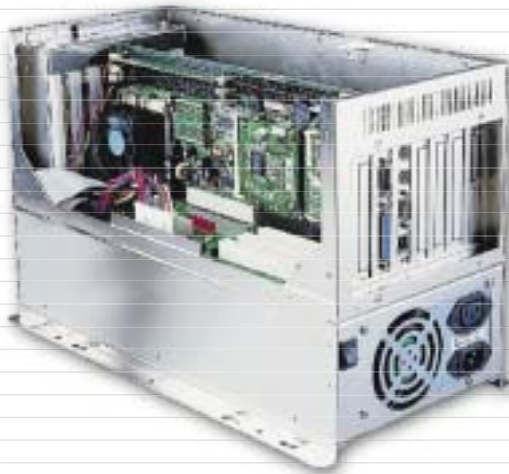
# Rack IPCs and LCD Monitors



**PC1000 - 130**  
Intel® Celeron™ Processor  
2 PCI or 1 PCI and 1 ISA



**PCDISPLAY12(TS)**  
262k-Color TFT LCD  
800 x 600 (12.1")



**PC1000 - 170**  
Intel® Celeron™ Processor  
3 ISA and 2 PCI



**PCDISPLAY15(TS)**  
262k-Color TFT LCD  
1024 x 768 (15")



**PCDISPLAY17(TS)**  
16M-Color TFT LCD  
1280 x 1024 (17")

Rack-mountable PCs are suitable for applications where the PC must be mounted in a cabinet: they can thus be combined with a panel-type monitor with 12", 15" or 17" LCD display. The monitors can be of a Touch Screen type and have, apart from the VGA input, an analog video input (composite and S-video) for connecting to a video camera or some other video source.

PC/Monitor codes and descriptions	
PC1000 - 130	Rack PC - Intel® Celeron™ 566MHz - RAM: 128MB
PC1000 - 170	Rack PC - Intel® Celeron™ 566MHz - RAM: 128MB
PCDISPLAY12TS	12" LCD Monitor - Touch
PCDISPLAY12	12" LCD Monitor
PCDISPLAY15TS	15" LCD Monitor - Touch
PCDISPLAY15	15" LCD Monitor
PCDISPLAY17TS	17" LCD Monitor - Touch
PCDISPLAY17	17" LCD Monitor

A 5-foot VGA connection cable is included with all monitors; a 5-foot serial cable is also included with touch screen models