



ERGO

All in one machine control system.

MODEL	Embedded ARM ERGO122	PC Control ERGO222	Monitor ERGO322
Versions	◇ Touch Capacitive ◇ Full Glass - -	◇ Touch Capacitive ◇ Full Glass ◇ Dual Touch Capacitive 120° + Keyboard Touch ◇ Dual Touch Capacitive 120° + 12" HMI Touch	◇ Touch Capacitive ◇ Full Glass ◇ Dual Touch Capacitive 120° + Keyboard Touch ◇ Dual Touch Capacitive 120° + 12" HMI Touch
General			
Bezel /Chassis	Aluminum /Sheet Steel	Aluminum /Sheet Steel	Aluminum /Sheet Steel
Mounting	Portrait Landscape	Portrait Landscape	Portrait Landscape
	VESA 100	VESA 100	VESA 100
Power Supply (Vdc)	12...32 VDC	15...36 VDC	18...30 VDC
Consumption (W)	24W for ARM base+ 24W for display keyboard (if any)	45 - 50 W for PC base + 24W for display keyboard (if any)	40W for monitor + 24W for display keyboard (if any)
Operating Temperature (°C)	-10 ... + 50 (non condensing)	-10 ... + 50 (non condensing)	-10 ... + 50 (non condensing)
Storage Temperature (°C)	-20 ... + 65	-20 ... + 65	-20 ... + 65
Humidity	90% (non condensing)	90% (non condensing)	90% (non condensing)
Operating systems	Linux	Windows7 - Windows10 - WES7	
Protection degree (all)	IP65	IP65	IP65
Certifications	CE / UL	CE / UL	CE / UL
Display Size 1	21.5" true flat multi-touch screen	21.5" true flat multi-touch screen	21.5" true flat multi-touch screen
Display Technology	TFT / 16,7 M colors / LED backlight	TFT / 16,7 M colors / LED backlight	TFT / 16,7 M colors/ LED backlight
Display Brightness (cd/m²)	300	300	300
Contrast	5000:1	5000:1	5000:1
Viewing Angle H-V	89/89/89/89	89/89/89/89	89/89/89/89
Display Resolution (pixel)	1920x1080	1920x1080	1920x1080
Backlight life (hours)	50K	50K	50K
Touch Technology	Capacitive	Capacitive	Capacitive
Video input			DVI + VGA
Operating systems	Linux	Windows7 - Windows10 - WES7	
CPU Fanless Celeron 4G	Quad Core i.MX6 1.2 GHz Cortex A9 Linux	Quad core J1900 2,0 GHz (2,42GHz) – 10W	
CPU Fanless Celeron 6G		Quad core J3455E 1,5 GHz (2,30 GHz) – 10W	
CPU Fanless Intel® Core™ 4G		Intel Core i3-4010U 1,7GHz / i7-4650U 1,7GHz (3,3GHz) – 15W	
CPU Fanless Intel Core 7G		Intel Core i3-7100U 2,46GHz / i5-7300U/ i7-7600U 2,8GHz – 15W	
RAM	2 GB		
FLASH	8 GB		
LAN	LAN 1xGb RJ45 - 1x10/100Gb RJ45		
RAM (Celeron quad core J1900)		on board 4GB DDR3L 1066/1333MHz - dual channel -	



RAM (Celeron quad Core J3455E)		Up to 8GB DDR3L 1866MHz	
RAM (Fanless Intel® Core™ 4G)		up to 8GB DDR3L SODIMM 1333/1600MHz 204 pin -single channel-	
RAM (Fanless Intel Core 7G)		Up to 16GB DDR4 2133/1866 MHz 260 pin	
RS232 / RS485	1x RS232/RS485	1x RS232 + 1x RS485	
USB Ports 2.0/3.0 rear	2x 2.0	1x 2.0 + 1x 3.0 cpu J1900 / 2x2.0 + 2x3.1 CPU J3455E / 4x 3.0 cpu Intel® Core™	1x USB 2.0 type A – rear 1x USB type B
Ethernet Celeron J1900 /J3455E		2x 1Gb RJ45 Intel I210 / 2x1Gb RJ45 Intel I211AT	
Ethernet i-Core™ i3/i5/i7 4G/7G		2x 1Gb RJ45 Intel I210/I218 / 2x 1Gb RJ45 Intel I210AT/I219LM	
VGA/DP (Celeron J1900 / J3455E)		1x / 1x (DP passive cable required) 1 VGA + 1 HDMI	
DP (i-Core™ i3/i5/i7) 4G / 7G		2x (DP active cable required) 1xVGA + 1xDP++	
RAID 0/1		2x SSD on cpu i-core	
Drives (internal)		HDD min. 500GB / SSD min. 64GB / mSATA min.32GB (options)	
Display Size 2 (only on dual Touch)	-	12.1" true flat multi-touch screen	12.1" true flat multi-touch screen
Display Technology		TFT / 16,7 M colors / LED backlight	TFT / 16,7 M colors/ LED backlight
Display Brightness (cd/m²)		400	400
Contrast		800:1	800:1
Viewing Angle H-V		80/80/65/80	80/80/65/80
Display Resolution (pixel)		1920x1080	1920x1080
Backlight life (hours)		50k	50K
Touch Technology		Capacitive	Capacitive
Operating systems		Linux WEC7	
Keyboard Extension HMI Extansion	-	HTML5 Web Browser + Touch keyboard	HTML5 Web Browser + Touch keyboard
	-	Capacitive HMI 12,1" + 2 Ethernet port 10/100 Mbps RJ45, + Crew + Everyware + Codesys + Esa Motion Function Blocks Library	Capacitive HMI 12,1" + 2 Ethernet port 10/100 Mbps RJ45, + Crew + Everyware + Codesys + Esa Motion Function Blocks Library
Push button extension	up to 8 x 22 mm standard push-buttons, switches, emergency button, USB, RFID etc.	up to 8 x 22 mm standard push-buttons, switches, emergency button, USB, RFID etc.	up to 8 x 22 mm standard push-buttons, switches, emergency button, USB, RFID etc.

* MORE CONFIGURATONS AVAILABLE ONLINE ON OUR WEB TOOLCONFIGURATOR