



ERGO	PC Control Panel Station	Embedded ARM Control Panel Station	Monitor
Mechanical versions	- 120°L with display keyboard and push button extensions/ - Flat with push button extension	- 120°L with display keyboard and push button extensions/ - Flat with push button extension	- 120°L with display keyboard and push button extensions/ - Flat with push button extension
Keyboard Extension	12.1" true flat multi-touch screen	12.1" true flat multi-touch screen	12.1" true flat multi-touch screen
Push button extension	up to 8 x 22 mm standard push-buttons, switches, emergency button, USB, etc.	up to 8 x 22 mm standard push-buttons, switches, emergency button, USB, etc.	up to 8 x 22 mm standard push-buttons, switches, emergency button, USB, etc.
Display Size	21,5"	21,5"	21,5"
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	500:1	500:1	500:1
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
Bezel /Chassis	Aluminum /Sheet Steel	Aluminum /Sheet Steel	Aluminum /Sheet Steel
Mounting	VESA 100	VESA 100	VESA 100
Video input			DVI + VGA
CPU Fanless Celeron 4G	Celeron quad core J1900 2,0 GHz (2,42GHz) – 10W	Quad Core i.MX6 1.2 GHz Cortex A9	
CPU Fanless Intel® Core™ 4G	Intel Core i3-4010U 1,7GHz / i7-4650U 1,7GHz (3,3GHz) – 15W		
RAM		2 GB	
FLASH		8 GB	
LAN		LAN 1xGb RJ45 - 1x10/100Gb RJ45	
RAM (Celeron quad core)	on board 4GB DDR3L 1066/1333MHz - dual channel -		
RAM (Fanless Intel® Core™)	up to 8GB DDR3L SODIMM 1333/1600MHz 204 pin -single channel-		
RS232 / RS485	1x RS232 + 1x RS485	1x RS232/RS485	
USB Ports 2.0/3.0 rear	1x 2.0 + 1x 3.0 cpu J1900 / 4x 3.0 cpu Intel®Core™	2x 2.0	1x USB 2.0 type A – rear 1x USB type B
Ethernet Celeron J1900	2x 1Gb RJ45 Intel I210		
Ethernet i-Core™ i3/i7	2x 1Gb RJ45 Intel I210/I218		
VGA/DP (Celeron J1900)	1x / 1x (DP passive cable required)		
DP (i-Core™ i3/i7)	2x (DP active cable required)		
RAID 0/1	2x SSD on cpu i-core		
Drives (internal)	HDD min. 500GB / SSD min. 128GB / mSATA min.32GB (options)		
Power Supply (Vdc)	15...36 VDC	12...32 VDC	18...30 VDC
Consumption (W)	45 - 50 W for PC base + 24W for display keyboard (if any)	24W forARM 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	Windows7 - Windows10 - WES7	Linux	
Protection degree (all)	IP65	IP65	IP65
Certifications	CE	CE	CE