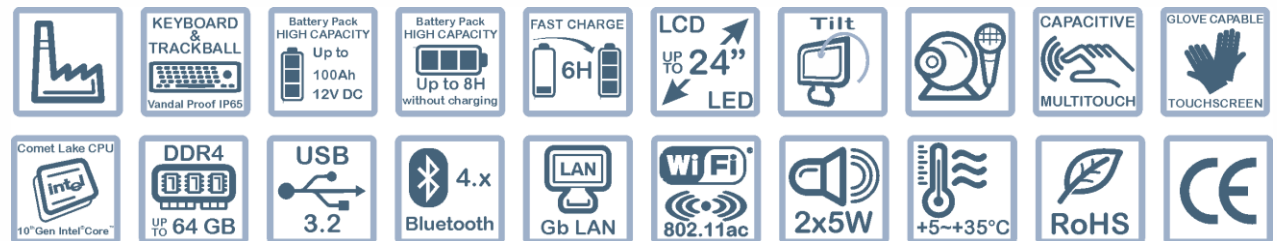




- ✓ Designed for long-term use in semi-industrial environments
- ✓ Customizable with additional accessories such as: label printer, barcode reader, etc
- ✓ Base configuration with AIO 21 & 24" Full HD with 10 point PCap touchscreen
- ✓ AIO support VESA100 with adjustable tilt
- ✓ Easy to handle even in the presence of small slopes thanks to large anti-static wheels
- ✓ Easy to handle due to the large ergonomic handles
- ✓ High operating autonomy without connection to the mains power supply
- ✓ Charging station not needed, battery charge and charge indicator are integrated into cart
- ✓ Up to 10<sup>th</sup> generation Intel® Core™ processor
- ✓ Up to 64GB RAM
- ✓ Bluetooth 4.x & WiFi 802.11ac





## Technical features

<b>ACUS</b> Base version	<b>Description</b>	Battery powered computerized cart for semi-industrial environments
	<b>Shelf</b>	Shelf with integrated stainless-steel keyboard (97key) & trackball with IP65 protection degree
	<b>Wheels</b>	Front: 125mm, anti-static Rear: 125mm, anti-static, parking brake
	<b>Handling</b>	Ergonomic front and rear handle
	<b>Display support</b>	Tilt from 0° (vertical) to 90° (horizontal) Reference standard : VESA100
	<b>Note</b>	Check Ordering Code table. The base version is equipped with different AIO solution
<b>Power system</b>	<b>Battery operation</b>	Up to 8* hour *Estimated lifespan with one 100Ah@12V battery in perfect working conditions and 100% of charging
	<b>Battery replacement</b>	The battery is integrated into the structure and can only be replaced at the end of its life cycle. This operation can only be performed by a specialized and authorized operator.
	<b>Charging indicators</b>	Built-in led bar charge indicator integrated into the base
	<b>Safety</b>	1 x 80mm fan integrated in the base (to prevent overheating) 1 x Battery Switch 1 x External power supply switch
<b>Internal battery</b>	<b>Capacity</b>	See optional KIT
	<b>Voltage</b>	Nominal tension : 12V DC
	<b>Type</b>	See Optional KIT
	<b>Storage</b>	To ensure good operation, the cart must be stored with at least 70% charge and for periods not exceeding 6 months. For storage times longer than 6 months, charge maintenance cycles are planned.
<b>Charging system</b>	<b>Charging mode</b>	The cart is charged directly from the mains (no need for other external equipment)
	<b>Supported voltages</b>	230V @ 50Hz
	<b>Charging times</b>	Estimated in about 6h (25% to 100%) *Estimated lifespan with one 100Ah@12V battery in perfect working conditions and 100% of charging

<b>Software</b>	<b>Supported operating system</b>	Microsoft Windows 10 64bit
<b>Mechanical Features</b>	<b>L x H x D</b>	See next page
	<b>Weight</b>	70KG (estimated in in medium configuration)
	<b>Color</b>	Black
<b>Environment</b>	<b>Operating temp.</b>	From +5°C to +35°C
	<b>Non operating temp.</b>	From 0°C to +40°C
	<b>RH</b>	From 20% to 85% non cond.
	<b>Non operating RH</b>	From 5% to 95% non cond.
	<b>Suitable for</b>	Only indoor use
	<b>Protection degree</b>	IP20
	<b>Cooling System</b>	1 x safety 80mm fan integrated in the base 1 x internal fan integrated in the AIO
<b>Product Certifications</b>	<b>Reference Marks</b>	CE, RoHS
	<b>Directives</b>	Built according to European Directive 2014/53/EU (RED), 2011/65/EU & 2015/863/EU (RoHS III)
<b>Company Certifications</b>	<b>Reference standards</b>	UNI EN ISO 9001
		Ref. Doc. ZST-4292-00000159-00
<b>Ordering Code</b>	<b>CNACUS08-01A-xx</b>	Base ACUS - AIO 21.5" EVO H410Touch
	<b>CNACUS08-02A-xx</b>	Base ACUS - AIO 23.8" FLEX H410Touch
<b>Optional KIT</b>	<b>EKIT-BATT-12V044A-04</b>	Battery KIT 12V/44Ah Pb
	<b>EKIT-BATT-12V065A-04</b>	Battery KIT 12V/65Ah Pb
	<b>EKIT-BATT-12V070A-04</b>	Battery KIT 12V/70Ah LiFePO4
	<b>EKIT-BATT-12V100A-04</b>	Battery KIT 12V/100Ah Pb



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Last update 13/04/2022



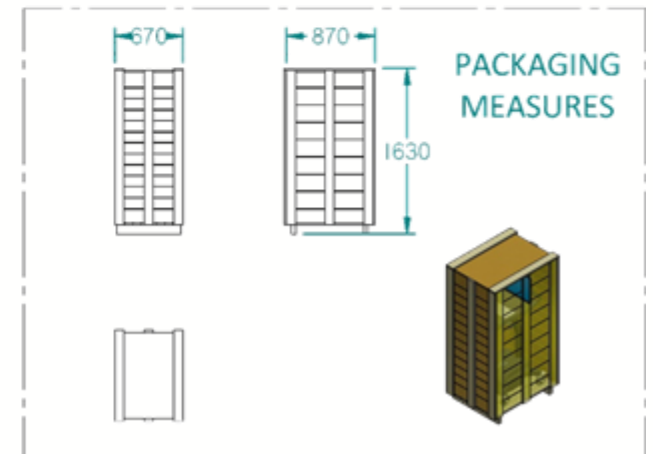
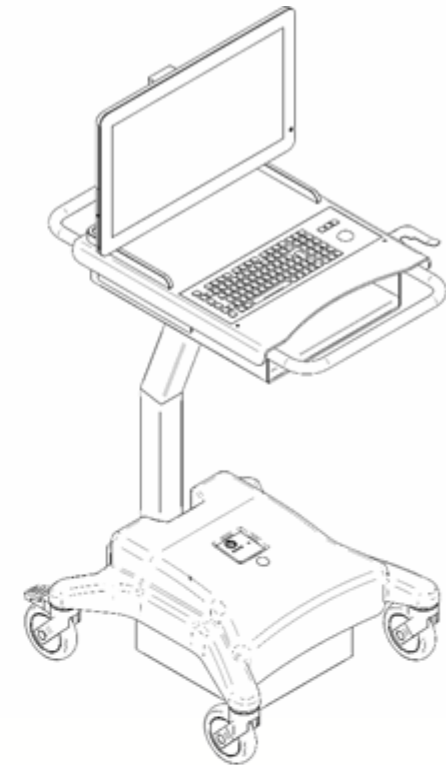
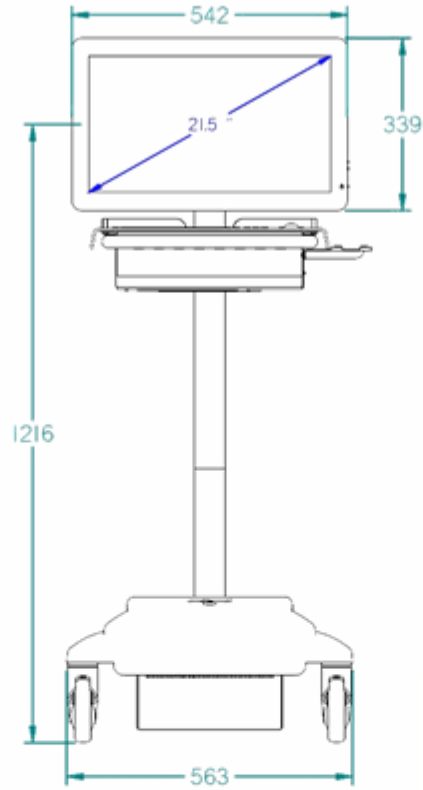
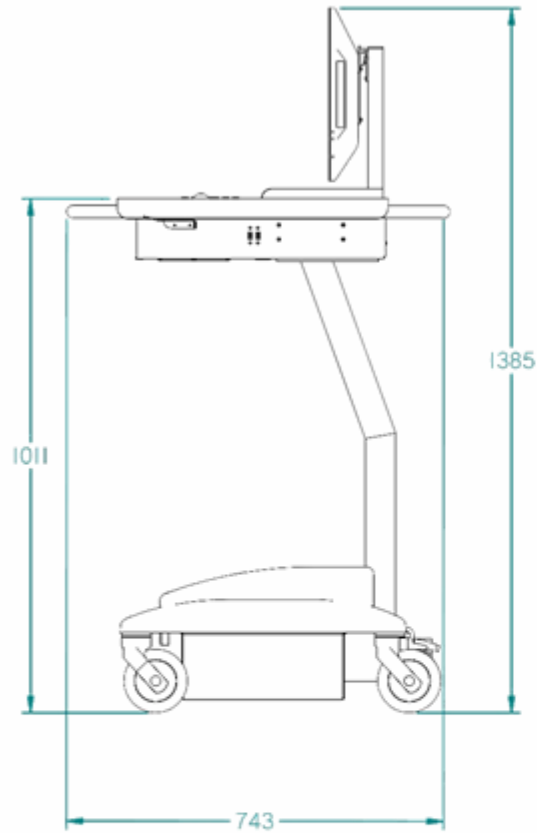
## Technical features

<b>AIO 22” System</b>	<b>Processor</b>	Socket LGA 1200 Intel® Core™ 10th gen. Intel® Core™ i7/i5/i3/ Pentium, TDP up to 65W
	<b>Chipset</b>	Intel® H410 Express Chipset
	<b>Bios</b>	128 Mb Flash ROM, UEFI AMI BIOS
	<b>Expansion slot</b>	1 x M.2 M key, 2280/2260 storage (SATA & PCIE x2 mode) 1 x M.2 E key, 2230 Wi-Fi/BT (PCIe, CNVi/USB mode)
<b>Memory</b>	<b>Max expansion</b>	64GB
	<b>Type</b>	DDR4 2933/2800/2666/2400/2133 SO-DIMM 4GB, 8GB, 16GB, 32GB
	<b>Slot</b>	2
<b>Side SX I/O interfaces</b>	<b>Audio</b>	1 x Jack 3.5mm headphone 1 x Jack 3.5mm microphone
	<b>USB</b>	2 x USB 2.0
	<b>ON / OFF / RESET</b>	1 x Power switch
<b>Back I/O interfaces</b>	<b>USB</b>	2 x USB 3.2 Gen 1 2 x USB 2.0
	<b>Audio</b>	2 x Jack 3.5mm
	<b>LAN</b>	1 x RJ45
	<b>Video</b>	1 x DP (Display Port) 1 x HDMI
	<b>Power</b>	1 x DC power connector
<b>Storage</b>	<b>Integrated SATA controller</b>	1 x M.2 (Socket 3, M key, 2280/2260 SATA & PCIe SSD) 2 x SATA3 6Gb/s
	<b>Card Reader</b>	6 in 1 Card Reader SD/XD/MMC
	<b>HDD/SSD bay</b>	1 x HDD / SSD SATA 2.5”
	<b>ODD bay</b>	1 x Slim DVD +R+RW-R-RW
<b>Video subsystem</b>	<b>Integrated graphic adapter</b>	Intel® HD Graphics (depends on installed CPU)
	<b>Integrated LCD display</b>	21.5” TFT LCD – Led Backlight Full HD 16:9 1920x1080
	<b>Max resolution (external ports)</b>	HDMI 1.4b: 4096 x 2160 @ 24 Hz DP 1.4 : 4096 x 2304 @ 60 Hz
	<b>Contemporary active display</b>	Max 2 (1 internal, 1 external)
	<b>Touchscreen</b>	Touch screen with projected capacitive technology, up to 10 touch points, USB interface
<b>Multimedia</b>	<b>Webcam</b>	Integrated in the front frame, 1.3Mpx
	<b>Microphone</b>	Integrated in the front frame
<b>Audio subsystem</b>	<b>Integrated audio adapter</b>	High-Definition Audio
	<b>Speaker</b>	2 x 5W (integrated on the back)
<b>Network subsystem</b>	<b>Integrated network adapter</b>	1 x 10/100/1000 Realtek® RTL8111H GbE LAN
	<b>WiFi &amp; BT</b>	Dual Band Wireless 2.4/5GHz 802.11ac Bluetooth 4.x

<b>AIO 24” System</b>	<b>Processor</b>	Socket LGA 1200 Intel® Core™ 10th gen. Intel® Core™ i7/i5/i3/ Pentium, TDP up to 65W
	<b>Chipset</b>	Intel® H410 Express Chipset
	<b>BIOS</b>	128 Mb Flash ROM, UEFI AMI BIOS
	<b>Expansion slot</b>	1 x M.2 M key, 2280/2260 storage (SATA & PCIE x2 mode) 1 x M.2 E key, 2230 Wi-Fi/BT (PCIe, CNVi/USB mode)
<b>Memory</b>	<b>Max expansion</b>	64GB
	<b>Type</b>	DDR4 2933/2666/2400/2133 SO-DIMM 4GB, 8GB, 16GB, 32GB
	<b>Slot</b>	2
<b>Side DX I/O interfaces</b>	<b>USB</b>	2 x USB 2.0
	<b>ON / OFF / RESET</b>	Power switch
<b>Side SX I/O interfaces</b>	<b>USB</b>	2 x USB 3.2 Gen 1 2 x USB 2.0
	<b>Audio</b>	1 x Jack 3.5mm headphone 1 x Jack 3.5mm microphone
	<b>LAN</b>	1 x RJ45
	<b>Video</b>	1 x DP (Display Port) 1 x HDMI
	<b>Power</b>	1 x DC power connector
<b>Storage</b>	<b>Integrated SATA controller</b>	1 x M.2 (Socket 3, M key, 2280/2260 SATA & PCIe x4 SSD) 2 x SATA3 6Gb/s
	<b>Card Reader</b>	6 in 1 Card Reader SD/XD/MMC
	<b>HDD/SSD bay</b>	1 x HDD/SSD SATA 3.5/2.5”
	<b>ODD bay</b>	1 x Slim DVD +R+RW-R-RW
<b>Video subsystem</b>	<b>Integrated graphic adapter</b>	Intel® HD Graphics (depends on installed CPU)
	<b>Integrated LCD display</b>	23.6” TFT LCD – Led Backlight Full HD 16:9 1920x1080
	<b>Max resolution (external ports)</b>	HDMI 1.4b : 4096x2160@24Hz* DP 1.4 : 4096x2304@60Hz*
	<b>Contemporary active display</b>	Max 2 (1 internal, 1 external)
	<b>Touchscreen</b>	Touch screen with projected capacitive technology, up to 10 touch points, USB interface
<b>Multimedia</b>	<b>Webcam</b>	Integrated in the front frame, 1.3Mpx
	<b>Microphone</b>	Integrated in the front frame
<b>Audio subsystem</b>	<b>Integrated audio adapter</b>	High-Definition Audio
	<b>Speaker</b>	2 x 5W (integrated on the back)
<b>Network subsystem</b>	<b>Integrated network adapter</b>	1 x 10/100/1000 Realtek® RTL8111H GbE LAN
	<b>WiFi &amp; BT</b>	Dual Band Wireless 802.11ac, Bluetooth 4.x



## Mechanical features ACUS & AIO 21.5"





## Mechanical features ACUS & AIO 24"

