

AVer TabChargeCT2 Specifications



Product Specifications:

1. Charge, Store, and secure up to 40 devices (tablets, chromebooks, netbooks) with monitor size smaller than 14". The net weight is no larger than 95KG.
2. There shall be a Smart charging mechanism for optimizing total charge time, charge scheduling and circuit overload protection.
3. The cart consists of four medical-grade casters. Among two are lockable (both in rolling and swivel). The casters shall have wheel diameter of 125mm, width of 32mm, and with loading of 100kg.
4. The electrical system shall be composed of one main power button, four auxiliary power outlets, one power inlet, and forty device charging power outlets.
5. The 40 devices are stored inside two shelves. Each shelf has capacity of 20 devices and shall be made of steel sheet of T = 1.2mm covered with lime.
6. Each device is placed in a dedicated compartment, called a bay. Each bay is at dimension of 250mm in height, 364mm in length, and 28mm in width. In front of each bay shall be assigned to a unique ID (1 ~ 40). The devices in adjacent bays are separated by dividers. The design of the divider provides protection in a way it is made of ABS to avoid any scratch mark on device surface.
7. Both shelves are equipped with sliding rails for easy device access. The sliding rails allow 30cm lateral movement of shelves. The sliding rails can support static loading of 45 kg.
8. The body mainframe shall be welded to integral to provide sturdiness (800kg capacity without casters)
9. It must have two double door designs, one in the front and one in the rear. The double doors shall be made of metal sheet (T=0.8mm) with internal reinforcements. The hinges for the doors shall be installed inside the system to avoid collision outside the system. Above

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the front double door must have grooves to have good ventilation. The two hinges shall provide no larger than 110 degrees of open and close stop points, in order to access the inside of the system.

10. There shall be two nametag holders (91mm in width and 53mm in height) located at upper-right corner of the two right doors.
11. There shall be two three-point locking mechanism to ensure more secure locking (one install on front door, and another one on rear door). The three-point locking mechanism consists of two long steel latches (diameter = 5mm), a rotary metal plate (T=2mm), and a metal door handle (made of metal sheet with T=2mm).
12. All eight external corners in the system shall be round and made of plastic to ensure user safety
13. There shall have two rectangular rubber stoppers for each double door located on the top and bottom of the cart mainframe so that the double door will be in contact with when closing.
14. There shall be one handle structure to maneuver the cart. This structure consists of three components: one anodized aluminum handle bar that is anti-slip and anti-stain, and two handle supports (made of Nylon + PF). The handle support must not have any sharp edges to ensure user safety.
15. The top cover shall be made by metal sheet with T=1mm covered with lime. The bottom cover shall be made by metal sheet with T=1mm covered with lime. The right and left cover shall be made of metal sheet with T=0.8mm covered with lime.
16. On the right side of the cart shall be main power cord wrap compartment, an auxiliary power outlet module with LED status indicators, and an AC-in power module consisting of a main power switch and a power inlet.
17. The main power cord wrap compartment consists of a pair of wire running clamps (shall be made of metal sheet with T=2mm with paint finish)

Operating Interface:

1. There shall be four auxiliary outlets that can function while the devices are being charged.
2. The forty device charging power outlets shall be internally located at the rear side of the cart, and are categorized into 4 groups (each group shall have a form factor of a power strip with 10 power outlets). The charging scheduling for the 4 groups depends on the power requirement from each group. This is controlled and monitored by the intelligent charging mechanism.