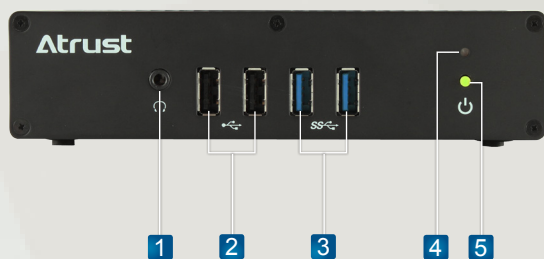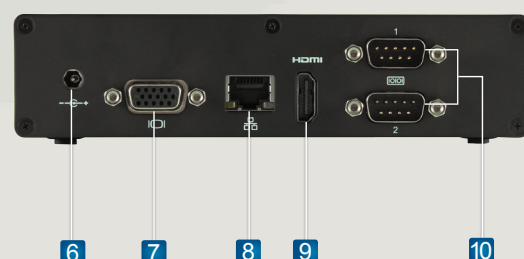# Atrust

Thin Client
Atrust t20

Atrust t20 is a Windows® 10 IoT Enterprise OS based thin client. The Aspeed AST2500 BMC (Baseboard Management Controller) chip is also built in to help effective remote management on each t20 device. With the support of BMC, it allows a system administrator to perform different monitoring and management tasks remotely without having to be physically located next to the system – such as firmware updating, BIOS updating and system hardware monitoring. The BMC will also notify the administrator via email if there is hardware abnormal. The BMC is an extremely efficient time saving tool – the administrator no longer needs to do the physically on-site checking.

1 **Headphone Port**
Connects to a headphone or speaker system.

2 **USB 2.0 Port x 2**
Connects to a USB device.

3 **USB 3.0 Port x 2**
Connects to a USB device.

4 **Power LED**
Indicates the status of power.

5 **Power Button**
Press to turn on/off the client.

6 **DC IN**
Connects to an AC adaptor.

7 **VGA Port**
Connects to a monitor.

8 **LAN Port**
Connects to a host server through a LAN switch.

9 **HDMI® Port**
Connects to a monitor.

10 **RS-232 Port x 2**
Connects to a serial port device.

Atrust t20 Features

- Durable and quiet design
- Simplified management
- Slim and robust design
- Ingress Protection Rating IP50

- Low power consumption
- Lower total cost of ownership (TCO)
- Supported Protocols
  t20 supports the following protocols:
  Citrix® ICA/HDX™, Microsoft® RDP™ with RemoteFX™, VMware® Horizon View™

Atrust **t20**

System	t20
Processor	Intel® Atom X5-E3940 1.6 Ghz (Burst 1.80 Ghz)
Memory	
System memory	4 GB (Manufacturing option : 8 GB)
Storage	
Storage	128 GB M.2 NVMe SSD
Graphics	
Maximum resolution	Up to 1920 x 1200
I/O Interfaces	
I/O ports	Front : 2 x USB 3.0, 2 x USB 2.0, 1 x Audio Out Rear : 1 x VGA, 1 x HDMI®, 2 x RS-232 port, 1 x RJ-45 (shared management), 1 x DC IN
Networking	
Ethernet	10 / 100 / 1000 Mb
Dimensions / Weight	
Dimensions	(W) 155 x (D) 109.6 x (H) 37 mm
Weight	834 g (approximate) * Without Accessories
Environment	
Cooling	Fanless
Operating noise	No noise
Operating temperature	0℃ ~ 40℃
Non-operating temperature	-30℃ ~ 60℃
Operating humidity (Rh)	10% ~ 90% (non-condensing)
Non-operating humidity (Rh)	5% ~ 95% (non-condensing)
AC Adaptor	
Operating voltage range	100 ~ 240 VAC
Rated line frequency	50 ~ 60 Hz
Rated output current (max)	3A
Output voltage	+12V DC
Software	
Operating system	Windows® 10 IoT Enterprise 2016 LTSB Windows® 10 IoT Enterprise LTSC 2019 Windows® 10 IoT Enterprise LTSC 2021
System Management	IPMI 2.0, ADM
Ingress Protection Rating	IP50
Accessories	Power Adapter, Power Cord, Adapter Holder VESA Kit (Bundled) : (W) 115.3 x (D) 62.8 x (H) 14.8 mm / Weight : 42 g Bracket Kit (Option) : (W) 212.5 x (D) 120 x (H) 60.2 mm / Weight : 944 g