

# AROO Product Guide

We build **technology** with you **in mind**

About The logo for AROO, featuring the word 'AROO' in a stylized, blue, sans-serif font. The 'A' is a solid blue shape, while the 'R' and 'O's are composed of overlapping circles in two shades of blue.

**We will do everything in our power  
to meet your every request,**

and we are committed to helping each other grow.

"AROO" is a quote from the owner of an izakaya in the classic Japanese drama **"HERO."** It means **"Here you go"** in English.

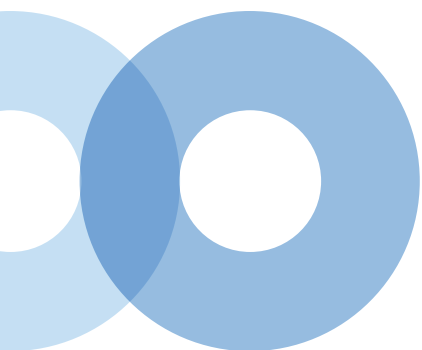
Whenever he says the word "AROO,"

it embodies his unwavering commitment to promptly resolving any problem brought to him by his customers.

We aim to be like him and give you the same great service.

As your partner, we promise to walk with you every step of the way, offering efficient solutions and kind companionship.

**Let's work towards a better future together.**



# Headquarters

**TTS-MCA004**  
Stores Management

**TTS-MCF003**  
Inventory Management

Viewing Store Performance

# Logistics & Back Office

**TTS-EI003**  
Conduct Inventory

**TTS-MBA001**  
Autonomous Mobile Robot

**TTS-T080A004**  
Delivery, Verify, Sign-off



Network switch

Advertising Campaign

**TTS-MSA01**  
Vending Machine

**TTS-MBA001**  
Product Inquiry Kiosk

**TTS-MLA01**  
Digital Advertising Signage

**TTS-MDF004**  
Self-Service Checkout Machine

**TTS-MLT**  
Cashier POS System

# Store



# Smart Retail Solution

# Headquarters

TTS-MCA004

Stores Management



# Kitchen

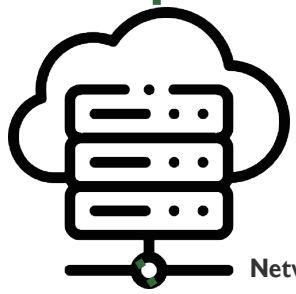
TTS-MCF003

Order Printer



TTS-MDF004

Digital Signage



Network switch

Viewing Store Performance

TTS-MLA01

Self-Ordering Kiosk



TTS-MBA001

Ordering System



TTS-T080A004

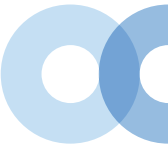
Delivery, Verify, Sign-off



# Counter



# Smart Restaurant Solution



# Boost Your Business with Our High-Performance Laptops.



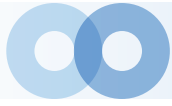
Upgrade your business game with a laptop. With its portability, speed, and versatility, it's **the perfect tool for productivity on the go.**

From crunching numbers to crafting presentations, **a laptop can handle all your business needs.**

Stay connected with colleagues and clients with ease and work from anywhere, whether it's a coffee shop or a conference room.

Take your business to the next level with a laptop and **make the most out of every workday.**

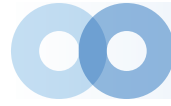
# Laptop



## TTS-NI40Z



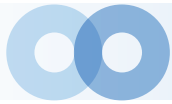
<b>OS</b>	Windows 11
<b>CPU</b>	Intel® Core™ i5-1235U Intel® Core™ i7-1255U
<b>GPU</b>	Intel® Integrated Graphics
<b>Screen Size</b>	14" (3072*1920)
<b>RAM</b>	16 GB DDR4
<b>Storage</b>	512 GB
<b>I/O Ports</b>	1 x HDMI 1 x USB3.2 Gen2, 1 x USB3.2 Gen1 1 x USB3.2 Gen1 Type-C 1 x Thunderbolt™ 4 Ø3.5mm Combo Audio jack 1 x Micro SD
<b>Front-Facing Camera</b>	1.0MP
<b>WiFi &amp; Bluetooth</b>	WiFi 6E Bluetooth® 5.1
<b>Battery</b>	58Wh
<b>Adaptor DC Output</b>	65W
<b>Weight</b>	1.2kg
<b>Dimension</b>	311.6 x 217.8 x 17mm



## TTS-NI56Z



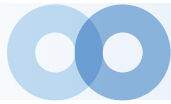
<b>OS</b>	Windows 11
<b>CPU</b>	Intel® Core™ i5-1235U Intel® Core™ i7-1255U
<b>GPU</b>	Intel® Integrated Graphics
<b>Screen Size</b>	15.6" (1920*1080)
<b>RAM</b>	8 GB DDR4
<b>Storage</b>	512 GB
<b>I/O Ports</b>	1 x HDMI 2 x USB3.2 Gen1 1 x USB2.0 1 x USB3.2 Gen1 Type-C Ø3.5mm Combo Audio jack 1 x Micro SD 2.0
<b>Front-Facing Camera</b>	2.0MP
<b>WiFi &amp; Bluetooth</b>	WiFi 6E Bluetooth® up to 5.3
<b>Battery</b>	58Wh
<b>Adaptor DC Output</b>	65W
<b>Weight</b>	1.7kg
<b>Dimension</b>	357.4 x 228 x 19.4 mm



## TTS-NI40T



<b>OS</b>	Windows 11
<b>CPU</b>	Intel® Core™ i3-13100 Intel® Core™ i5-13500H
<b>GPU</b>	Intel® Integrated Graphics
<b>Screen Size</b>	14" (2160*1440)
<b>RAM</b>	16GB LPDDR5
<b>Storage</b>	512 GB
<b>I/O Ports</b>	1 x USB 3.0 1 x USB Type-C
<b>Front-Facing Camera</b>	1.0MP
<b>WiFi &amp; Bluetooth</b>	WiFi 6E Bluetooth® 5.1
<b>Battery</b>	46.2Wh
<b>Adaptor DC Output</b>	65W
<b>Weight</b>	1.36Kg
<b>Dimension</b>	310 x 229.5 x 20.6 mm



## TTS-NI56A



<b>OS</b>	Windows 11
<b>CPU</b>	Intel® Celeron N5105
<b>GPU</b>	Intel® Integrated Graphics
<b>Screen Size</b>	15.6" (1920*1080) +7" Touch Screen(1200*1920)
<b>RAM</b>	16GB DDR4
<b>Storage</b>	512 GB
<b>I/O Ports</b>	1 x mini HDMI 2 x USB3.0 Ø3.5mm Combo Audio jack 1 x Micro SD
<b>Front-Facing Camera</b>	2.0MP
<b>WiFi &amp; Bluetooth</b>	WiFi 5 Bluetooth® 4.2
<b>Battery</b>	37Wh
<b>Adaptor DC Output</b>	30W
<b>Weight</b>	1.65kg
<b>Dimension</b>	335 x 218 x 17mm



# Fun for the Whole Family

## Mini PC Entertainment Center



Looking to take your home entertainment to the next level?

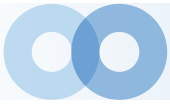
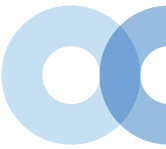
**A Mini PC is the answer.**

With its powerful streaming capabilities, sleek design, and affordability, it's the perfect addition to any family's entertainment setup.

Stream your favorite movies, TV shows, and music with ease and enjoy high-quality picture and sound for an immersive experience.

Upgrade your family's entertainment game today with a mini computer.

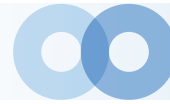
# Mini PC



## TTS-MCA004



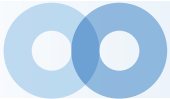
<b>OS</b>	Windows 11
<b>CPU</b>	Intel® Core™ i3-1115G4
<b>GPU</b>	Intel® Integrated Graphics
<b>RAM</b>	8 GB DDR4
<b>Storage</b>	128 GB
<b>I/O Ports</b>	1 x HDMI 1 x DP 2 x Lan 2 x USB 3.2 Type A 1 x Type-C Thunderbolt 3 1 x Ø3.5mm Combo Audio jack
<b>WiFi &amp; Bluetooth</b>	WiFi 6 Bluetooth® 5.2
<b>Dimension</b>	132 x 132 x 44mm



## TTS-MCF003



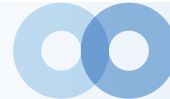
<b>OS</b>	Windows 11
<b>CPU</b>	Intel® Core™ N100
<b>GPU</b>	Intel® Integrated Graphics
<b>RAM</b>	8 GB DDR4
<b>Storage</b>	256 GB
<b>I/O Ports</b>	2 x HDMI 1 x DP 2 x Lan 4 x USB 3.0 Type A 1 x Micro SD 1 x MIC IN 1 x Line out 1 x VGA
<b>WiFi &amp; Bluetooth</b>	WiFi 6 Bluetooth® 5.2
<b>Dimension</b>	132 x 132 x 44mm



## TTS-MDF004



<b>OS</b>	Windows 11
<b>CPU</b>	Intel® Celeron N5105
<b>GPU</b>	Intel® Integrated Graphics
<b>RAM</b>	8 GB LPDDR4
<b>Storage</b>	64 GB
<b>I/O Ports</b>	2 x HDMI 1 x Lan 3 x USB 3.0 Type A 1 x MICRO SD 1 x Ø3.5mm Combo Audio jack
<b>WiFi &amp; Bluetooth</b>	WiFi 5 Bluetooth® 4.2
<b>Dimension</b>	72 x 72 x 45mm



## TTS-MBA001

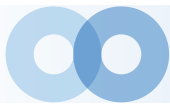


<b>OS</b>	Windows 11
<b>CPU</b>	Intel® Celeron J4125
<b>GPU</b>	Intel® Integrated Graphics
<b>RAM</b>	4 GB DDR4
<b>Storage</b>	64 GB
<b>I/O Ports</b>	1 x HDMI 1 x Lan 2 x USB 3.0 Type A 1 x MICRO SD 1 x Ø3.5mm Combo Audio jack
<b>WiFi &amp; Bluetooth</b>	WiFi 5 Bluetooth® 5.0
<b>Dimension</b>	62 x 62 x 42mm





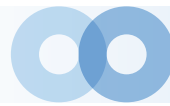
# Mini PC / IPC



## TTS-MCA005



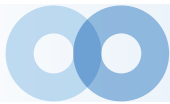
<b>OS</b>	Windows 11
<b>CPU</b>	Intel® Celeron N4020
<b>GPU</b>	Intel® Integrated Graphics
<b>RAM</b>	8 GB LPDDR4
<b>Storage</b>	128 GB
<b>I/O Ports</b>	2 x HDMI 1 x VGA 1 x Lan 2 x USB 3.1 Type A 2 x USB 2.0 Type A 1 x Type C 1 x Ø3.5mm Combo Audio jack
<b>WiFi &amp; Bluetooth</b>	WiFi 6 Bluetooth® 5.2
<b>Dimension</b>	132 x 132 x 44mm



## TTS-MLT



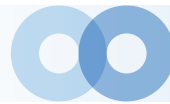
<b>OS</b>	Windows 11
<b>CPU</b>	Intel® Core™ i5-12450H
<b>GPU</b>	Intel® Integrated Graphics
<b>RAM</b>	16 GB DDR4
<b>Storage</b>	512 GB
<b>I/O Ports</b>	2 x HDMI 1 x Lan 4 x USB 3.0 Type A 1 x USB 4.0 Type C 1 x Ø3.5mm Combo Audio jack 1 x Ø 5.5MM Power Connector
<b>WiFi &amp; Bluetooth</b>	WiFi 6 Bluetooth® 5.0
<b>Dimension</b>	183.2 x 150 x 75.5mm



## TTS-MLA01-NVnx08I28



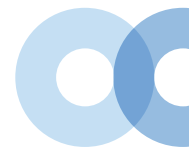
<b>Module Compatibility</b>	NVIDIA Jetson Orin NX 8GB
<b>AI Performance</b>	70 TOPS
<b>GPU</b>	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores
<b>CPU</b>	6-core NVIDIA Arm® Cortex® -A78AE 1.5MB L2 + 4MB L3
<b>Memory</b>	8GB 128-bit LPDDR5 102.4 GB/s
<b>Storage</b>	1 x M.2 M-Key 2242 (128GB built-in)
<b>Display</b>	1 x HDMI 2.0 Type A
<b>RTC</b>	With super capacitor, battery (optional)
<b>LAN</b>	2 x RJ-45 GbE ports
<b>USB</b>	2 x USB 3.2 Gen2 Type A, 1 x OTG Type-C
<b>I/O Interfaces</b>	5 x GPIO, 1 x UART, 1 x I2C, 1 x RS-422/485, 1 x CAN (Isolation)
<b>Expansion</b>	1 x M.2 B-Key 3042/3052 1 x M.2 E-Key 2230 (support PCIe x1 Gen4, USB 2.0) 1 x M.2 NVMe M-Key 2242 (128GB built-in)
<b>MISC. Function</b>	1 x Power Button, 1 x Recovery Button, 1 x Reset Button 1 x RS-232, 1 x RS-422/485, 1 x CAN 2.0b with isolation
<b>Power Input/Connector</b>	DC-in 12-24VDC / 4-Pin DC Jack Power Connector
<b>Power consumption</b>	Idle: 6.4 W Full Loading: 35.45* W
<b>Dimension (WxDxH)</b>	135 x 124 x 89 mm (5.31 x 4.88 x 3.5 in)
<b>Mounting</b>	Wall Mount / Din Rail (optional)
<b>Net Weight</b>	TBD
<b>Vibration</b>	1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
<b>Shock</b>	10 G, IEC 60068-2-27, half sine, 11 ms duration
<b>Temperature</b>	Operating: -25°C ~ +55°C (-13°F ~ +131°F) Storage: -25°C ~ +85°C (-40°F ~ +185°F)
<b>Humidity</b>	95% @ 40°C (104°F) (non-condensing)
<b>OS Support</b>	Ubuntu 20.04
<b>Certification</b>	CE/FCC Class A



## TTS-MSA01-NVnano08I28



<b>Module Compatibility</b>	NVIDIA Jetson Orin Nano 8GB
<b>AI Performance</b>	40 TOPS
<b>GPU</b>	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores
<b>CPU</b>	6-core NVIDIA Arm® Cortex® -A78AE 1.5MB L2 + 4MB L3
<b>Memory</b>	8GB 128-bit LPDDR5 102.4 GB/s
<b>Storage</b>	1 x M.2 M-Key 2242 (128GB built-in)
<b>Display</b>	1 x HDMI 2.0 Type A
<b>RTC</b>	With super capacitor, battery (optional)
<b>LAN</b>	1 x RJ-45 GbE ports
<b>USB</b>	2 x USB 3.2 Gen2 Type A, 1 x OTG Type-C
<b>I/O Interfaces</b>	5 x GPIO, 1 x UART1, 1 x I2C, 1 x CAN (Isolation)
<b>Expansion</b>	1 x M.2 E-Key 2230 (support PCIe x1 Gen3, USB 2.0) 1 x M.2 NVMe M-Key 2242 (128GB built-in)
<b>MISC. Function</b>	1 x Power Button, 1 x Recovery Button, 1 x Reset Button 1 x CAN 2.0b with isolation
<b>Power Input/Connector</b>	DC-in 12 to 24 VDC / 2-Pin Terminal Block
<b>Power consumption</b>	Idle: 4.85 W Full Loading: 23.6* W
<b>Dimension (WxDxH)</b>	130 x 90.2 x 72 mm (5.11 x 3.55 x 2.83")
<b>Mounting</b>	Wall Mount / Din Rail (optional)
<b>Net Weight</b>	0.927 kg (2.044 lb)
<b>Vibration</b>	1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
<b>Shock</b>	10 G, IEC 60068-2-27, half sine, 11 ms duration
<b>Temperature</b>	Operating: -25°C ~ +55°C (-13°F ~ +131°F) Storage: -25°C ~ +85°C (-40°F ~ +185°F)
<b>Humidity</b>	95% @ 40°C (104°F) (non-condensing)
<b>OS Support</b>	Ubuntu 20.04
<b>Certification</b>	CE/FCC Class A



# Revolutionize Education with Interactive **Tablet Technology**



## **Bring education to life with a tablet.**

With its interactive features, portability, and versatility, it's the perfect tool for modern learning.

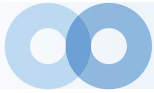
From virtual field trips to interactive textbooks, a tablet can enhance the learning experience and make it more engaging and fun.

Plus, it's lightweight and easy to carry, so students can take it with them wherever they go.

Give your child the gift of technology and watch their

**love for learning grow with a tablet.**

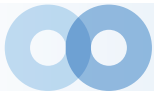
# Tablet



## TTS-TI26C004



<b>CPU</b>	Intel Core Alder Lake-N N95/N100/N200/N300/N305
<b>OS</b>	Windows 11 Home/ Pro
<b>Display</b>	12.6" 2880*1920 IPS +Full Lamination Technology
<b>Touch</b>	10-point touch, GFF
<b>RAM</b>	Up to 12GB LPDDR5
<b>ROM</b>	M.2 2242 PCIe 4.0 4X SSDx1 (up to 2TB)
<b>Camera</b>	Front: 5.0MP , Rear:8MP Dual D-MIC
<b>4G LTE/GPS</b>	Support
<b>Battery</b>	11.55V/4850mAh
<b>WIFI/BT</b>	Wi-Fi 6/ Bluetooth 4.2
<b>I/O port</b>	2 x USB-Type C (PD+DP) Micro SD slot Micro HDMI DC IN-40W PD Charger MIC/Audio port



## TTS-TI26C003

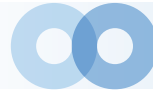


<b>CPU</b>	Intel Celeron N5100 Quad-Core up to 2.8GHz (Jasper Lake)
<b>OS</b>	Windows 11 Home/ Pro
<b>Display</b>	12.6-inch 2560*1600 AMOLED +Full Lamination Technology
<b>Touch</b>	10-point touch, G+FF
<b>RAM</b>	8GB LPDDR4
<b>ROM</b>	eMMC or PCIe/SATA SSDx1 (128GB/256GB/512GB )
<b>Camera</b>	Front: 1MP, Rear:5MP, Dual MIC
<b>4G LTE/GPS</b>	Support
<b>Battery</b>	7.6WH/3500mAh
<b>WIFI/BT</b>	Wi-Fi 5/ Bluetooth 4.2/5.1
<b>I/O port</b>	2 x USB-Type C(full function) Micro SD slot DC IN-30W PD Charger (12V/2.5A) MIC/Audio port



## TTS-T080A004

<b>CPU</b>	MT8768, Octa core up to 2.3GHz, Cortex-A53*8
<b>OS</b>	Android 13
<b>Display</b>	8" 800*1280 IPS
<b>Touch</b>	5 point capacitive,G+G
<b>RAM</b>	3GB DDR
<b>ROM</b>	32GB EMMC
<b>Camera</b>	Front: 2.0MP , Rear:500W
<b>4G LTE/GPS</b>	Support
<b>Battery</b>	3.8V/4000mAh
<b>WIFI/BT</b>	Wi-Fi 5/ Bluetooth 5.0
<b>I/O port</b>	Support Felica , Reading Distance:3-5cm USB-Type C (Data+Charging) Micro SD slot SIM card slot MIC/Audio port



## TTS-EI003



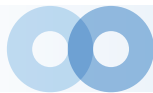
<b>CPU</b>	MT8768 Octa-Core Cortex-A53 1.8-2.3GHz 3.3GHz-4.4GHz
<b>OS</b>	Android 12
<b>Display</b>	10.1" Capacitive multi-touch panel 1920*1200 IPS + GFF Full Lamination Technology
<b>Touch</b>	10-touch (Stylus is not support)
<b>RAM</b>	4GB LPDDR4
<b>ROM</b>	128GB eMMC
<b>Camera</b>	Front: 5MP, Rear:13MP
<b>4G LTE/GPS</b>	Support
<b>Battery</b>	3.7V/5000mAh
<b>WIFI/BT</b>	Wi-Fi 5/ Bluetooth 5.0
<b>I/O port</b>	USB-Type C Micro SD slot Dual SIM card slot MIC/Audio port



## TTS-WI33T



<b>CPU</b>	Intel Core TigerLake i3-1115G4/i5-1135G7/i7-1165G7 (TDP 15W)
<b>OS</b>	Windows 11 Home / Windows 11 Pro
<b>Display</b>	13.3" 2560*1600 IPS, GFF full lamination
<b>Touch</b>	GFF 10-touch
<b>RAM</b>	8GB LPDDR4X
<b>ROM</b>	256GB 1*M.2 2280 (SATA)
<b>Camera</b>	Front: 5.0MP (LED white light), Rear:5MP
<b>4G LTE/GPS</b>	Support
<b>Battery</b>	7.6V/5000mAh
<b>WIFI/BT</b>	Wi-Fi 6/ Bluetooth 5.0
<b>I/O port</b>	2 x USB-Type C (full function) 1 x USB-A Micro SD slot Micro HDMI MIC/Audio port



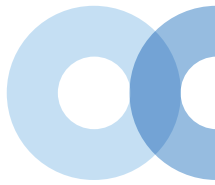
## TTS-SI03



<b>CPU</b>	MT8768T, 4xA53 1.8GHZ+4*A53 2.3GHZ 64 position
<b>OS</b>	Android 11
<b>Display</b>	10.36-inch 1200*2000 IPS+Full Lamination
<b>Touch</b>	G+G 5 Point touch
<b>RAM</b>	4GB LPDDR4
<b>ROM</b>	64GB EMMC
<b>Camera</b>	Front: 5MP, Rear:13MP
<b>4G LTE/GPS</b>	Support
<b>Battery</b>	3.8V/8000mAh
<b>WIFI/BT</b>	Wi-Fi 5/ Bluetooth 5.0
<b>I/O port</b>	USB-Type C Micro SD slot Docking(Optional) MIC/Audio port



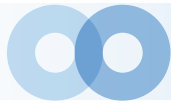
# Expand Your Possibility with Docking



Unlock your laptop's potential with a docking station. With its multiple ports and expansion capabilities, it's the perfect tool to enhance your productivity.

Connect multiple displays, peripherals, and external storage devices with ease and expand your laptop's functionality. Plus, it's lightweight and portable, making it a great option for professionals who are always on the go. Upgrade your laptop experience with a docking station and unleash your creativity and **productivity like never before.**

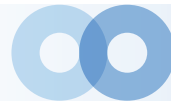
# Dock



## TTS-B70IQ001



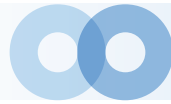
<b>Description</b>	TBT3 Mini Dock 2
<b>Max. Displays</b>	2 x 4K60
<b>Thunderbolt Upstream</b>	1 x
<b>Legacy Video Port</b>	2 x HDMI2.0
<b>USB Downstream</b>	3 x USB-A 10G
<b>LAN</b>	1GbE
<b>PD</b>	PD 60W Passthrough
<b>Power Supply</b>	Bus Power 15W (5V3A) / Self Power (PD charger)
<b>Tethered cable length</b>	70cm



## TTS-B50IQ005



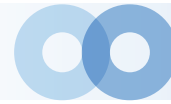
<b>Description</b>	Quad 4K Display Dock
<b>Total Ports</b>	14
<b>Max. Displays</b>	4 x Displays
<b>Max. resolution</b>	4 x4K60, 4x4K120
<b>Video ports</b>	4 xDP
<b>USB-C UFP</b>	USB 10G
<b>USB DFP</b>	1 x USB-C 10G (PD20W) 4 x USB-A 5G (1xBC1.2)
<b>SD Card</b>	1 xSD4.0
<b>LAN</b>	1GbE
<b>Audio in/out</b>	2x3.5mm TRS (HS/MIC)
<b>PD</b>	PD96W



## TTS-B80IQ003



<b>Description</b>	TBT4 dock Pro
<b>Max. Displays</b>	1 x 8K30 / 2x 4K60
<b>Thunderbolt Upstream</b>	1 x
<b>Thunderbolt Downstream</b>	2 x
<b>Legacy Video Port</b>	1 x HDMI 2.1
<b>USB Downstream</b>	4 x USB-A 10G
<b>SD Card Reader</b>	1 xSD4.0
<b>Audio in/out</b>	1 x3.5mm TRRS
<b>LAN</b>	2.5GbE
<b>PD</b>	PD 96W
<b>Power Supply</b>	DC 135W



## TTS-BI30Q004



<b>Description</b>	Triple 4K Display Dock
<b>Total Ports</b>	13
<b>Max. Displays</b>	3 x Displays
<b>Max. resolution</b>	3 x4K60
<b>Video ports</b>	3 x DP/HDMI
<b>USB-C UFP</b>	USB 10G
<b>USB DFP</b>	1 x USB-C 10G (PD20W) 4 x USB-A 5G (1xBC1.2)
<b>SD Card</b>	1 xSD4.0
<b>LAN</b>	1GbE
<b>Audio in/out</b>	2x3.5mm TRS (HS/MIC)
<b>PD</b>	PD96W



## TTS-BLANQ001



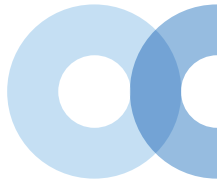
<b>Description</b>	USB-C to 2.5G Ethernet Adapter
<b>USB Upstream</b>	USB-C 5G
<b>Ethernet</b>	2.5GbE
<b>Power Mode</b>	Bus Power
<b>Wake On LAN</b>	Yes
<b>MAC Clone</b>	Yes
<b>Compatibility</b>	Windows/Mac/Linux



## TTS-BLANQ002



<b>Description</b>	USB-A to 2.5G Ethernet Adapter
<b>USB Upstream</b>	USB-A 5G
<b>Ethernet</b>	2.5GbE
<b>Power Mode</b>	Bus Power
<b>Wake On LAN</b>	Yes
<b>MAC Clone</b>	Yes
<b>Compatibility</b>	Windows/Mac/Linux



# Power Up On-The-Go

## Explore **Convenient Portable Device**

Discover our selection of convenient and reliable portable devices designed to keep you connected and powered up on-the-go.

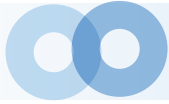


From power banks to charging cables, our portable accessories are perfect for travel, outdoor activities, or just everyday use.

**Stay connected and powered up**

wherever you go with our range of portable devices.

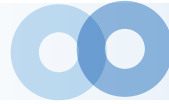
# Power Bank



## TTS-MINI 4



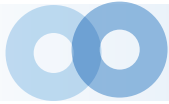
Capacity	10000mAh
Input USB-C	5V/3A, 9V/2A, 12V/1.5A
Output USB-A1	5V/4.5A, 4.5V/5A, 5V/3A, 9V/2A, 12V/1.5A
Output USB-A2	5V/4.5A, 4.5V/5A, 5V/3A, 9V/2A, 12V/1.5A
Output USB-C	PD3.0 5V/3A, 9V/2.2A, 12V/1.5A
Total output	5V/3A
Weight	221g
Dimensions	122*53*24.5mm
Color	Black/White



## TTS-MINI 4 PRO



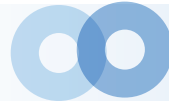
Capacity	15000mAh
Input USB-C	5V/3A, 9V/2A, 12V/1.5A
Output USB-A1	5V/4.5A, 4.5V/5A, 5V/3A, 9V/2A, 12V/1.5A
Output USB-A2	5V/4.5A, 4.5V/5A, 5V/3A, 9V/2A, 12V/1.5A
Output USB-C	PD3.0 5V/3A, 9V/2.2A, 12V/1.5A
Total output	5V/3A
Weight	297.2g
Dimensions	122*53*34mm
Color	Black/White



## TTS-J136W



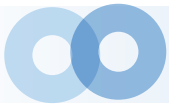
Capacity	10000mAh
Input USB-C	5V/3A, 9V/2A
Output USB-A1	PD 5V/3A 9V/2A 12V/1.5A
Output USB-C	PD 5V/3A, 9V/2A, 12V/1.5A
Total output	18W
Weight	314.1g
Dimensions	146*71*20mm
Color	Black



## TTS-Y72



Capacity	88wh/ 24000mAh
Input USB-C	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3.25A*
Output USB-A1	5V/3A, 5V/4.5A/, 9V/2A,12V/1.5A*
Output USB-C	5V/3A, 9V/3A,12V/3A, 15V/3A, 20V/5A
Total output	65W+18W
Weight	528G
Dimensions	44*145*57mm
Color	Black



## TTS-J141-10K



Capacity	10000mAh
Input USB-C	5V/2A, 9V/2A;
Output USB-A1	5V/3A, 5V/4.5A, 4.5V/5A, 9V/2A, 12V/1.5A*
Output USB-A2	5V/3A, 5V/4.5A, 4.5V/5A, 9V/2A, 12V/1.5A*
Output USB-C	PD3.0 5V/3A, 9V/2.2A, 12V/1.67A
Total output	5V/3A
Weight	201.3g
Dimensions	139*69*15.5mm
Color	Black/White

# Charger

## TTS-A005



<b>Input</b>	AC100/240V 50/60Hz 2.8A max
<b>USB/C1 output</b>	PD3.1 (5V3A/9V3A/12V3A/15V3A/20V5A/28V5A, Max140W)
<b>USB/C2 output</b>	PD3.1 (5V3A/9V3A/12V3A/15V3A/20V5A/28V5A, Max140W)
<b>USB/A output</b>	QC3.0 (5V3A/9V2A/12V1.5A Max18W)
<b>Port</b>	1 x USB/A / 2 x USB/C
<b>Plug</b>	US
<b>Dimensions</b>	80*80*32mm
<b>Color</b>	Grey

## TTS-C600M001



<b>Input</b>	100/240V 50/60Hz
<b>USB/C1 output</b>	PD3.0 Output Power,5V/2A, 9V/1.5A, 12V/2.6A, 15V/2.6A, 20V/3A
<b>Port</b>	1 x USB/C
<b>Plug</b>	US
<b>Dimensions</b>	60.2*60.2*30.2mm
<b>Color</b>	White/Black

## TTS-C650P003



<b>Input</b>	110Vac~240Vac / 240Vac50 /60Hz60Hz1.5A Max
<b>USB/C1 output</b>	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3.25A
<b>USB/C2 output</b>	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3.25A
<b>USB/A output</b>	5V/2A, Max.3.25 A
<b>Port</b>	1 x USB/A, 2 x USB/C
<b>Plug</b>	US/JP
<b>Dimensions</b>	55*55*27mm
<b>Color</b>	White/Black

## TTS-OP65



<b>Input</b>	AC 180/240V~50HZ 1A
<b>USB/C1 output</b>	5V/3A, 9V/3A, 10V/4A
<b>Port</b>	1 x USB/A
<b>Plug</b>	US
<b>Dimensions</b>	71.5*56*32mm
<b>Color</b>	Black

## TTS-UI65



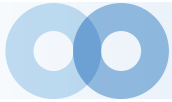
<b>Input</b>	AC 100/240V~50/60HZ 1.5A(MAX)
<b>USB/A output</b>	5V/3A,9V/2A,10V/2.25A,12V/1.88A
<b>Port</b>	1 x USB/A
<b>Plug</b>	US
<b>Dimensions</b>	51*51*28mm
<b>Color</b>	Black

## TTS-UI70



<b>Input</b>	AC 100/240V~50/60HZ 1.5A (MAX)
<b>USB/C1 output</b>	5V/3A, 9V/2.77A, 12V/2.5A, 15V/2A,20V/1.65A
<b>Port</b>	1 x USB/C
<b>Plug</b>	US
<b>Dimensions</b>	32*31*31mm
<b>Color</b>	White/Black

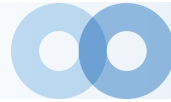




### TTS-FENG 3S



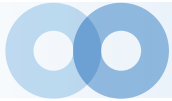
<b>Dimensions</b>	1.2 M
<b>Interface Configuration</b>	Lightning + Type C + Micro USB Cable
<b>Maximum current</b>	5A



### TTS-FLASH C



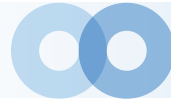
<b>Dimensions</b>	1 M
<b>Interface Configuration</b>	Lightning Cable
<b>Maximum current</b>	5A



### TTS-IPD01



<b>Dimensions</b>	1 M
<b>Interface Configuration</b>	Lightning to Type C PD Cable
<b>Maximum current</b>	5A



### TTS-POLEA



<b>Dimensions</b>	1 M
<b>Interface Configuration</b>	Fast Charging Cable
<b>Maximum current</b>	5A



### TTS-POLEM



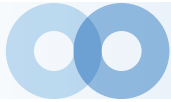
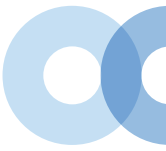
<b>Dimensions</b>	1 M
<b>Interface Configuration</b>	Flash Charging Cable
<b>Maximum current</b>	5A



### TTS-S-CB-ACTE-010



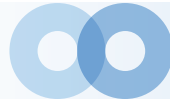
<b>Dimensions</b>	1 M
<b>Interface Configuration</b>	USB-A to USB-C Cable



## TTS-S-CB-CLNA-012



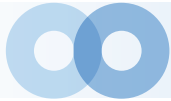
<b>Dimensions</b>	1.2 M
<b>Interface Configuration</b>	USB-C to Lightning USB Cable



## TTS-SPEED A



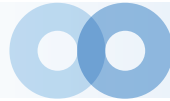
<b>Dimensions</b>	1 M
<b>Interface Configuration</b>	Lightning Cable
<b>Maximum current</b>	5A



## TTS-SPEED C



<b>Dimensions</b>	1 M
<b>Interface Configuration</b>	USB-C Cable
<b>Maximum current</b>	5A



## TTS-SPEED M



<b>Dimensions</b>	1 M
<b>Interface Configuration</b>	Micro USB Cable
<b>Maximum current</b>	5A



## TTS-TKCB 171



<b>Dimensions</b>	1 M
<b>Interface Configuration</b>	USB C to Lightning Cable
<b>Maximum current</b>	3A



## TTS-FLASH C



<b>Dimensions</b>	2 M
<b>Interface Configuration</b>	USB-C Cable
<b>Maximum current</b>	5A



# Experience **Next-Level Computing** for Your Business

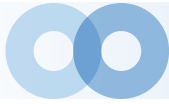
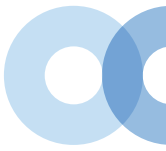
Power up your business with a server. With its processing power and scalability, it's the perfect solution for high-level computations and data management.

A server can handle complex algorithms and store vast amounts of data, making it a vital tool for businesses in fields such as finance, healthcare, and technology.

Plus, it can be easily upgraded to keep up with the growth of your business.

Invest in a server and take your business to the

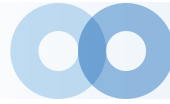
**next level with its cutting-edge capabilities.**



## AROO Server TTS-EI1N001



<b>Form Factor</b>	1U Rackmount Enclosure: 437 x 43 x 739mm (17.2" x 1.7" x 29.1") Package: 605 x 203 x 950mm (23.81" x 7.99" x 37.4")
<b>Processor</b>	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI (Certain CPUs with high TDP may be supported only under specific conditions. Please contact AROO Technical Support for additional information about specialized system optimization)
<b>Drive Bays</b>	12x 2.5" hot-swap NVMe/SATA/SAS drive bays (12x 2.5" NVMe hybrid) (SAS/NVMe support requires additional parts. Please see the Optional Parts list.)
<b>Expansion Slots</b>	1 PCIe 4.0 x16 Internal LP slot(s) 1 PCIe 4.0 x16 LP slot(s) 2 PCIe 4.0 x16 FH, 10.5" L slot(s)
<b>On-Board Devices</b>	SATA: SATA3 (6Gbps) via Intel® PCH 621A; RAID 0/1/5/10 support NVMe: NVMe (16GT/s); RAID 0/1/5/10 support Chipset: Intel® C621A Network Connectivity: 2x 10GbE BaseT with Intel® X710-AT2 (optional) OR 2x 10GbE BaseT and 2x 10GbE SFP+ with Intel® X710-TM4 (optional) No NIC option supported IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
<b>Input / Output</b>	LAN: 1 RJ45 Dedicated BMC LAN port USB: 3 USB 3.0 port(s) (2 rear; 1 front) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear) DOM: 2 SuperDOM (Disk on Module) port
<b>System Cooling</b>	8x 4cm heavy duty fan(s)
<b>Power Supply</b>	200W Redundant Power Supplies with PMBus Dimension (W x H x L): 73.5 x 40 x 203 mm Output Type: AC-Input
<b>System BIOS</b>	BIOS Type: AMI 32MB SPI Flash EEPROM
<b>Management</b>	SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; Intel® Node Manager; IPMI 2.0; Redfish API; AROO Out of Band (OOB) License (Included with Server)
<b>PC Health Monitoring</b>	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 7 +1 Phase-switching voltage regulator FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
<b>Dimensions and Weight</b>	Height: 1.7" (43 mm) Width: 17.2" (437 mm) Depth: 29.1" (739 mm) Gross Weight: 41 lbs (18.6 kg) Net Weight: 26.5 lbs (12.2 kg) Packaging: 7.99" (H) x 23.81" (W) x 37.4" (D) Available Color: Black Front & Silver Body
<b>Operating Environment</b>	Operating Temperature: 10°C - 35°C (50°F - 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) O perating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
<b>Motherboard</b>	Super X12DPU-6
<b>Chassis</b>	CSE-219UH3TS-R1K22P-T

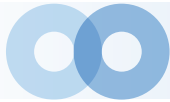


## AROO Server TTS-EI2N001



<b>Form Factor</b>	2U Rackmount Enclosure: 437 x 89 x 717.2mm (17.2" x 3.5" x 28.2") Package: 625 x 253 x 1154mm (24.6" x 9.96" x 45.43")
<b>Processor</b>	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI (Certain CPUs with high TDP may be supported only under specific conditions. Please contact AROO Technical Support for additional information about specialized system optimization)
<b>Drive Bays</b>	24x 2.5" hot-swap NVMe/SATA/SAS drive bays (22x 2.5" NVMe hybrid) (SAS/NVMe support requires additional parts. Please see the Optional Parts list.)
<b>Expansion Slots</b>	1 PCIe 4.0 x16 FH, 10.5" L slot(s) 5 PCIe 4.0 x8 FH, 10.5" L slot(s) 1 PCIe 4.0 x8 Internal LP slot(s) PCIe 4.0 x16 LP slot(s) Note: Optional P5C-W2-66G4 enables PCIe x16 in slots 5, 7. Slots 6,8 will be disabled.
<b>On-Board Devices</b>	SATA: SATA3 (6Gbps) via Intel® PCH 621A; RAID 0/1/5/10 support NVMe: NVMe (16GT/s); RAID 0/1/5/10 support Chipset: Intel® C621A Network Connectivity: 2 x 10GbE BaseT with Intel® X710-AT2 (optional) OR 2x 10GbE BaseT and 2x 10GbE SFP+ with Intel® X710-TM4 (optional) No NIC option supported IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
<b>Input / Output</b>	LAN: 1 RJ45 Dedicated BMC LAN port USB: 2 USB 3.0 port(s) (2 rear) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear) DOM: 2 SuperDOM (Disk on Module) port
<b>System Cooling</b>	4x8cm heavy duty fan(s)
<b>Power Supply</b>	1U 1600W Redundant Titanium AC Power Supply with PMBus 73.5x203x40mm Dimension (W x H x L): 73.5 x 40 x 203 mm Output Type: Gold Finger Connector
<b>System BIOS</b>	BIOS Type: AMI 32MB SPI Flash EEPROM
<b>Management</b>	SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; Intel® Node Manager; IPMI 2.0; Redfish API; AROO Out of Band (OOB) License (Included with Server)
<b>PC Health Monitoring</b>	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 7 +1 Phase-switching voltage regulator FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
<b>Dimensions and Weight</b>	Height: 3.5" (89 mm) Width: 17.2" (437 mm) Depth: 28.2" (717.2 mm) Gross Weight: 63 lbs (28.6 kg) Net Weight: 37 lbs (16.8 kg) Packaging: 9.96" (H) x 24.6" (W) x 45.43" (D) Available Color: Black Front & Silver Body
<b>Operating Environment</b>	Operating Temperature: 10°C - 35°C (50°F - 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) O perating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
<b>Motherboard</b>	Super X12DPU-6
<b>Chassis</b>	CSE-219U3TS-R1K62P-T

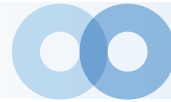
# Server



## 1U Servers TTS-EA1N001 (SATA)



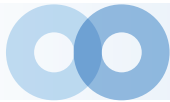
<b>Form Factor</b>	1U Rackmount
<b>Drive Bays</b>	4 hot-swap 3.5" SATA3 drives or 4 NVMe (via optional drive tray) or 4 SAS3 (via optional SAS kit)
<b>Expansion Slots</b>	2 PCI-E 4.0 x16 (FH / 9.5"L) slots 1 PCI-E 4.0 x16 (LP) slot 1 PCI-E 4.0 x16 (internal proprietary LP slot)
<b>Networking</b>	Dual 10GBase-T LAN ports
<b>Power &amp; Cooling</b>	1000W Redundant Power Supplies (Titanium Level)



## 1U Servers TTS-EA1N001 (NVMe)



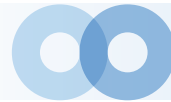
<b>Form Factor</b>	1U Rackmount
<b>Drive Bays</b>	4 hot-swap 3.5" SATA3 drives or 4 NVMe (via optional drive tray) or 4 SAS3 (via optional SAS kit)
<b>Expansion Slots</b>	2 PCI-E 4.0 x16 (FH / 9.5"L) slots 1 PCI-E 4.0 x16 (LP) slot 1 PCI-E 4.0 x16 (internal proprietary LP slot)
<b>Networking</b>	Dual 10GBase-T LAN ports
<b>Power &amp; Cooling</b>	1000W Redundant Power Supplies (Titanium Level)



## 2U Servers TTS-EA2N001 (SATA)



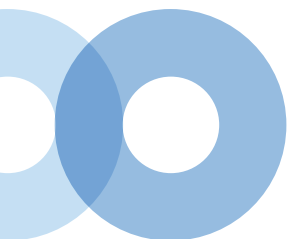
<b>Form Factor</b>	2U Rackmount
<b>Drive Bays</b>	12 hot-swap 3.5" SATA 3 drives or 8 SATA3 + 4 NVMe via optional tray or 12 SAS3 via optional SAS kit
<b>Expansion Slots</b>	2 PCI-E 4.0 x16 (FH, 10.5" L) slots, 1 PCI-E 4.0 x16 (FH, 9.5" L) slot, 1 PCI-E 4.0 x16 (LP) slot, 1 PCI-E 4.0 x8 (FH, 9.5" L, in x16) slot, 1 PCI-E 4.0 x8 (internal proprietary LP in x16) slot
<b>Networking</b>	Dual 10GBase-T LAN ports
<b>Power &amp; Cooling</b>	1600W Redundant Power Supplies (Titanium Level)

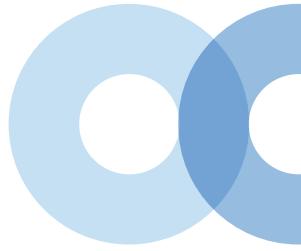


## 2U Servers TTS-EA2N001 (NVMe)

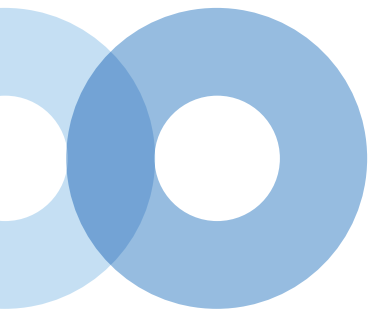


<b>Form Factor</b>	2U Rackmount
<b>Drive Bays</b>	24 hot-swap 2.5" U.2 NVMe drives or or up to 24 SATA/SAS drive support via optional SAS kit
<b>Expansion Slots</b>	1 PCI-E 4.0 x16 slot (FH, 9.5" L)
<b>Networking</b>	Dual 10GBase-T and 10G SFP+ ports
<b>Power &amp; Cooling</b>	1600W Redundant Power Supplies (Titanium Level)





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