



# EDGE COMPUTING SOLUTIONS

Industrial AIoT . Embedded Systems . Smart Manufacturing

## Built for Intelligent Industries

 **EMBEDDED SYSTEMS**  
High Performance & Reliable

 **INDUSTRIAL MOTHERBOARDS**  
Robust & Expandable

 **PANEL PC & DISPLAYS**  
Flexible & Versatile

 **AI INFERENCE PLATFORMS**  
Intelligent at the Edge

 **NETWORKING APPLIANCES**  
Secure & High Speed

 **EDGE AI COMPUTING**  
Real-time Data Processing



 **RELIABLE**  
Industrial Grade

 **SCALABLE**  
Flexible Expansion

 **INDUSTRIAL GRADE**  
Rugged & Durable

 **AI READY**  
Intelligence at the Edge



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# Embedded Computers

## AI-Accelerated Hybrid Computing

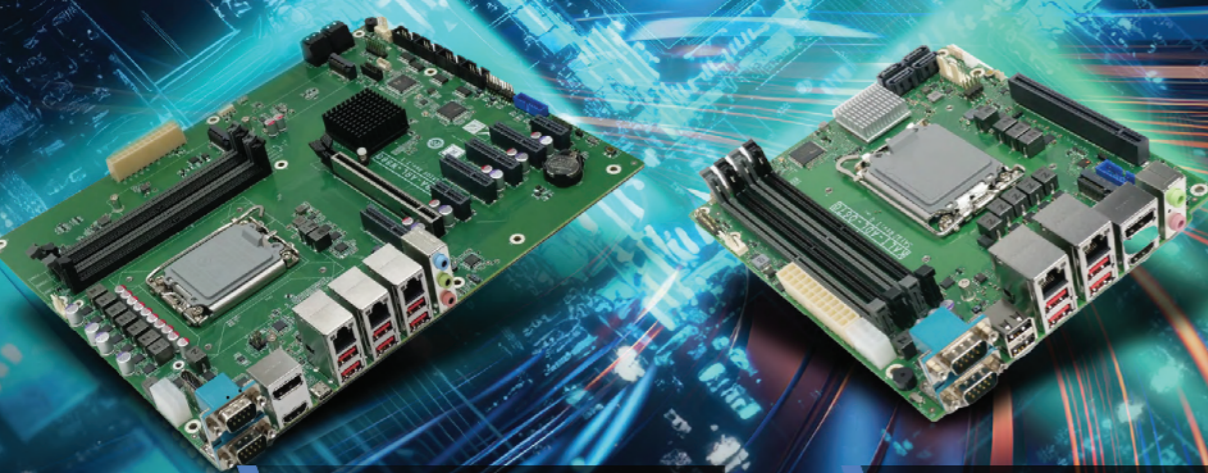


NPU Powered for Real-Time AI Acceleration



Scalable AI Performance: PCIe x16, DDR5 and M.2 M-key

Anewtech offers a comprehensive range of industrial motherboards in ATX, MicroATX, Mini-ITX, and Computer-on-Module form factors. Featuring multi-core processing and robust integration, these platforms are designed for demanding industrial applications. With long-term support, seamless upgrade paths, and strict revision control, Anewtech ensures dependable performance in mission-critical environments



### IMBA-ARL-W880

ATX powered by Intel® Core™ Ultra processors (Series 2) S-Series



### KALI-ADL-Q670

Extended Mini-ITX powered by 14th Gen Intel® Core™ processors



Imaging Processing



Automatic Equipment



AI Inference

## Highlights



### Full Spectrum of Form Factors

- Seamless system integration
- From COM modules, ultra-compact 2.5" Pico-ITX to ATX



### Touchable BIOS

- User-friendly interface
- Quick configuration
- Real-time monitoring



### Industrial-Grade Durability

- Rugged, reliable, long lifecycle
- Wide temperature support
- Stable in harsh conditions



### Advanced Thermal Management

- Passive & active cooling
- Optimized heat dissipation



### High Speed Signal Simulation

- Ensures signal integrity for high-speed data transmission
- Enables optimized PCB layout for reliable system performance



### Conformal Coating

- Protects the PCB from moisture, dust, and chemical contaminants
  - Enhances reliability in harsh or high-humidity environments
- \* By project request

## KINO-MPHX

Mini-ITX powered by AMD Ryzen™ 7040/8040 series

Optimized for vision AI and real-time analytics, this platform boost image inference and visual computing for scalable, high-performance AI deployments.



Quad Displays



3 x 2.5G LAN



6 x USB 3.2



NEW

# Embedded Systems



Anewtech embedded system solutions, powered by Intel® Core™ Ultra and Intel® Atom® processors, deliver high-performance computing with advanced AI acceleration, efficient power management, and PCIe Gen4 support for GPU and accelerator expansion. Featuring enhanced multi-core processing, DDR5 memory, and modular scalability, they ensure reliable operation in mission-critical applications.

## Innovative Design with Rapid Configuration



**DRPC Series**  
Fanless  
Embedded Systems



**TANK Series**  
High-Performance  
Embedded Systems



**ulBX Series**  
Compact  
Embedded Systems



**SWBOX Series**  
IP69K Stainless Steel  
Embedded Systems



Food & Beverage



3D Vision-Guided Robots



Maritime



Machine Vision System  
for Inspection



AI Inference

## Highlights



### Versatile Platform Options

- Intel® Core™ Ultra and Atom processors
- Multiple form factor options



### Rich I/O and Expansion

- Application-specific connectors
- Modular, scalable design
- Wide DC Voltage Input



### Ruggedized Design for Harsh Environments

- Wide operating temperature
- Shock and vibration resistant
- Heavy-duty metal enclosure, corrosion-resistant



### High-Performance Storage & Compute Expansion

- Scalable NVMe & SATA Storage
- GPU Support

## SWBOX-ASL

### IP69K STAINLESS STEEL EMBEDDED SYSTEM

IP69K-rated box computers are engineered for environments requiring rigorous hygiene and protection against high-pressure, high-temperature washdowns.



Fanless    Anti-Corrosion    -20°C~60°C    M12 Connector



Intel® Atom® X7433RE  
and X7835RE Processors

NEW

# Embedded Systems

intel. AMD

## Unleash Industrial Intelligence

for the Future of Scalable Edge AI



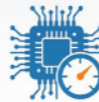
### Unmatched Modularity with eChassis

A unique modular architecture that allows for flexible I/O, storage, and performance acceleration, reducing lead times and future-proofing your investment.



### Industrial-Grade Hardened Hardware

Fanless design, wide operating temperature (-20°C to 60°C), wide-range 12V-28V DC power input, and MIL-STD-810G compliance for shock and vibration. Features Intel Platform Trust Technology (PTT).



### Desktop-Class Performance at the Edge

Support for up to 65W TDP desktop processors from Intel and AMD, delivering significant performance gains for demanding single and multi-threaded applications.

## TANK-XM81 Series



|                                      | TANK-XM813  | TANK-XM812   | TANK-XM811-D5   |
|--------------------------------------|---|--|---|
| Processor                            | Intel® Core™ Ultra 9 / 7 / 5 processors (Series 2)                            | AMD Ryzen™ 7000 and 8000 Series processors   | 12th, 13th, and 14th Gen Intel® Core™ processors            |
| Memory                               | 2 x DDR5 5600 MHz SO-DIMM, 16 GB pre-installed (up to 96 GB)                  | 2 x DDR5 5200 MHz SO-DIMM, 8 GB pre-installed (up to 96 GB)                            | 2 x DDR5 5200 MHz SO-DIMM, 8 GB pre-installed (up to 64 GB) |
| Storage                              | 2 x 2.5" SATA 6 Gb/s HDD/SSD bays (RAID 0/1 support)                          | 2 x 2.5" SATA 6 Gb/s HDD/SSD bays (RAID 0/1 support)                                   | 2 x 2.5" SATA 6 Gb/s HDD/SSD bay                            |
| Display Interface                    | 1 x DP++<br>1 x HDMI®<br>1 x USB Type-C® port (DisplayPort + USB 3.2 Gen 2x2) | 1 x DP++<br>1 x HDMI®<br>2 x USB Type-C® port (DisplayPort + USB 3.2 Gen 2x2)          | 1 x DP++<br>1 x HDMI®                                       |
| Ethernet (LAN)                       | 2 x 2.5 GbE   | 2 x 2.5GbE   | 2 x 2.5GbE  |
| USB 3.2 Gen 2 Type-A ports (10 Gb/s) | 7   | 6  | 8   |
| COM Ports                            |   | 2 x RS-232/422/485 ports, 4 x RS-232 ports   |   |
| Expansion Slots                      |   | Modular eChassis<br>1 x M.2 2280 M-key slot (PCIe® Gen4 x4)<br>1 x M.2 2230 A-key slot |   |
| Operating Temperature                |   | -20°C to 60°C (CPU TDP 35 W & SSD)<br>-20°C to 50°C (CPU TDP 65 W & SSD)               |   |

## TANK-XM813 Series

Scalable Performance, Unique Modular Design for Flexible, Seamless Expansion



### Flexible Expansion Without Redesign

With optional 2-, 4-, or 6-slot backplanes (eBP) and expansion chassis (eChassis), the system can easily adapt to new interfaces or AI workloads without redesigning the entire platform.

|   | eChassis    | eBP           | Slot 2               | Slot 3  | Slot 3              | Slot 4  | Slot 5  | Slot 6  |
|---|-------------|---------------|----------------------|---------|---------------------|---------|---------|---------|
| A | TXC-XM81-3S | TXCBP-XM81-2A | PCIe x16             | -       | PCIe x4             | -       | -       | -       |
| B | TXC-XM81-3S | TXCBP-XM81-2B | PCIe x16(x8 signal)  | -       | PCIe x16(x8 signal) | -       | -       | -       |
| C | TXC-XM81-4S | TXCBP-XM81-4A | PCIe x16             | PCIe x1 | PCIe x4             | PCIe x4 | -       | -       |
| D | TXC-XM81-4S | TXCBP-XM81-4B | PCIe x16(x8 signal)  | PCIe x4 | PCIe x16(x8 signal) | PCIe x4 | -       | -       |
| E | TXC-XM81-4S | TXCBP-XM81-4C | PCIe x16             | PCIe x4 | PCI                 | PCI     | -       | -       |
| F | TXC-XM81-G1 | TXCBP-XM81-4A | PCIe x16             | PCIe x1 | PCIe x4             | PCIe x4 | -       | -       |
| G | TXC-XM81-G2 | TXCBP-XM81-G2 | PCIe x16 (x8 signal) | -       | PCIe x16(x8 signal) | -       | PCIe x4 | PCIe x4 |



### Intel® Core™ Ultra

Intel® Core™ Ultra with AI Boost (NPU) and Intel® Arc™ graphics delivers powerful multi-core performance and efficient AI processing, with support for up to 96 GB DDR5 5600 MHz memory.



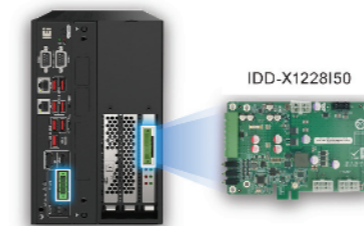
### Expandable GPU Performance

Through the TXC-XM81-G1 and TXC-XM81-G2 eChassis, the system supports full-length, triple-slot GPU accelerator cards up to 380 W.



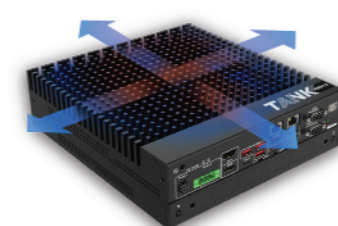
### Integrated PoE+ Solution

Optional 8-port 2.5GbE PoE+ (IEEE 802.3at) modules (GPOE-XM81-8P) provide 30 W power per port.



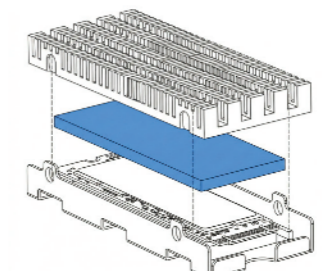
### Dual Power Input Architecture

With the integrated IEDD-X1228150-R10 power board, the system delivers stable and dedicated power to both the main unit and high-performance add-on cards requiring more than 75 W.



### -20°C to 60°C Fanless System

A reinforced fanless cooling structure with a die-cast aluminum chassis and multi-layer heatsink efficiently dissipates heat from Intel® Core™ Ultra processors to the chassis surface.



### NVMe SSD Thermal Stability

The TANK-XM813 employs a dedicated M.2 thermal solution to guarantee sustained reliability in demanding environments up to 60°C.

# Embedded Systems

intel.

## Fanless DIN-Rail Scalable Performance



### Fanless, Rugged Design

Extruded aluminum alloy construction and passive cooling eliminate failure points and ensure reliable operation.



### Wide Temperature Range

Engineered to operate reliably in harsh environments, from -20°C to 60°C (model dependent).



### DIN-Rail Mountable

Designed for easy and secure integration into standard industrial control cabinets and enclosures.

## DRPC Series



Ultra-Slim

|                       | DRPC-243-MTL   | DRPC-242-RPLH  | DRPC-150-TWL   | DRPC-125-TWL   |
|-----------------------|--|--|--|--|
| Processor             | Intel® Core™ Ultra 7 and 5 processors  | 13th and 12th Gen Intel® Core™ i7, i5, and i3 processors                                       | Intel® Processor N97 and Intel® Processor N150                                     | Intel® Processor N97 and Intel® Processor N150                       |
| Memory                | 2 x DDR5 5600 MHz SO-DIMM, up to 96 GB   | 2 x DDR5 5600 MHz SO-DIMM, up to 96 GB   | 1 x DDR5 5200 MHz SO-DIMM  | Onboard 8 GB LPDDR5 memory   |
| Display Interface     | 1 x lockable HDMI™ 1.4b (up to 4096 × 2160 @ 30 Hz)<br>1 x DP 1.4b (up to 4096 × 2160 @ 60 Hz)<br>1 x USB4   | 1 x lockable HDMI™ 1.4b (up to 4096 × 2160 @ 30 Hz)<br>1 x DP 1.4b (up to 4096 × 2160 @ 60 Hz) | 2 x HDMI™ (up to 4K @ 60 Hz)   | 1 x HDMI™ (up to 4K @ 60 Hz)   |
| Ethernet (LAN)        | 3 x 2.5GbE   | 3 x 2.5GbE   | 2 x 2.5GbE   | 4 x 2.5GbE   |
| COM Ports             | 2 x RS-232<br>2 x RS-422/485 (2.5 kV isolation)  | 2 x RS-232<br>2 x RS-422/485 (2.5 kV isolation)  | 4 x RS-232/422/485   | 1 x RS-232/422/485 (optional)  |
| USB                   | 4 x USB 3.2 Gen 2<br>2 x USB 2.0<br>1 x USB4 (USB + Display)   | 2 x USB 3.2 Gen 2<br>4 x USB 2.0   | 4 x USB 3.2 Gen 2  | 4 x USB 3.2 Gen 2  |
| CAN bus               | N/A  | N/A  | 2 x isolated CAN bus ports   | N/A  |
| PCIe Expansion        | PCIe® Gen4 Modular Expansion   | PCIe® Gen4 Modular Expansion   | N/A  | N/A  |
| M.2                   | 1 x M.2 2230 E-key (PCIe® Gen3 x1 / USB 2.0)<br>1 x M.2 3042/3052 B-key (PCIe® Gen3 x1 / USB 3.2 Gen 2 / USB 2.0) with SIM card slot<br>1 x M.2 2280 M-key (PCIe® Gen4 x4) | N/A  | 1 x M.2 2230 E-key (PCIe® Gen3 x1 / USB 2.0)<br>1 x M.2 2280 M-key (PCIe® Gen3 x2) | 1 x M.2 2242/2280 B-key (SATA)<br>1 x M.2 2280 M-key (PCIe® Gen3 x2) |
| Operating Temperature | -20°C ~ 60°C   | -20°C ~ 60°C   | -20°C ~ 60°C   | -10°C ~ 50°C   |

## DRPC-243-MTL Series

Scalable Performance, Unique Modular Design for Flexible, Seamless Expansion



### Next-Generation Performance

Intel® Core™ Ultra with AI Boost (NPU) and Intel® Arc™ graphics, supporting up to 96 GB DDR5 5600 MHz memory for high-performance and efficient AI workloads.



### Expandable GPU Performance

By adding the optional TXC-DRPC-242-1S second-layer expansion kit, you can install a variety of PCIe x4 add-on cards.



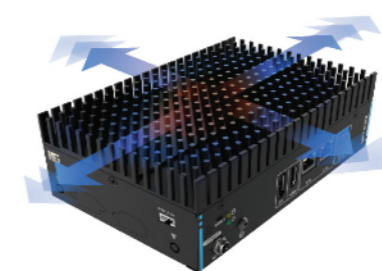
### Dual Storage Options

Supports both a 2.5-inch SSD and an M.2 2280 NVMe PCIe Gen4 x4 SSD, offering flexible dual-storage options with high data throughput for demanding edge applications.



### Optional Active Cooling

For computing-intensive use, an optional external fan provides active cooling to maintain performance in high temperatures while keeping the system easy to clean and protected from dust.



### -20°C to 60°C Fanless Design

An optimized thermal design with a pin-fin heat sink improves multi-directional heat dissipation heat conduction, reduces airflow impedance, and delivers superior heat dissipation in a fanless system.



### Seamless Wireless Connectivity

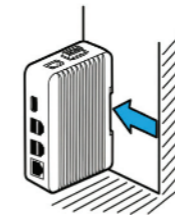
Designed for remote and mobile edge deployments, supporting 5G/4G via an M.2 B-key slot with onboard SIM slot and module Wi-Fi/Bluetooth via an M.2 A-key slot.

## Why Choose DIN-Rail Industrial Computers?

With their unique design, they deliver outstanding space efficiency, installation flexibility, thermal performance, and maintenance convenience in industrial environments, making them the preferred choice over traditional mini industrial PCs.

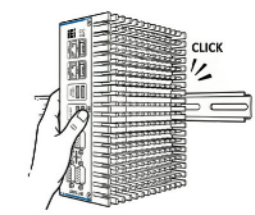
### Space & Design

Smart layout that maximizes every inch of cabinet space.



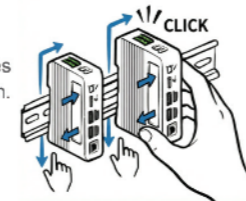
### Maintenance & Efficiency

Simplified service procedures that maximize system uptime.



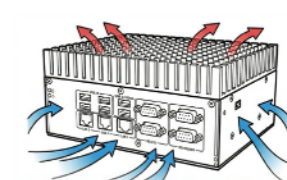
### Installation & Expansion

Standardized DIN-rail design enables fast deployment and flexible expansion.



### Cooling & Performance

Optimized airflow ensures stable operation even in extreme environments.



# Industrial Chassis

Anewtech offers a comprehensive lineup of industrial computer chassis, ranging from 1U to 5U in both rackmount and wall-mount configurations. Designed to support diverse system requirements, these chassis accommodate a wide range of motherboard and SBC form factors, including ATX, MicroATX, Mini-ITX, and full-size or half-size SBCs. With modular power supply options and optimized thermal solutions, IEI chassis deliver reliable performance and seamless integration in demanding industrial environments.



## RACK-5000B NEW

5U Rackmount Chassis Empowering Edge AI with NVIDIA RTX 4090 Compatibility



## Industrial Chassis Selection Guide

| Model No.  | Type | Board Type                                  |                          | Max. Slots | Drive Capacity |           |          |          | Fan Spec. |      |      |      |       | Indicators |     | Front Panel Control |       |    |     | Back Panel Control |     | PSU | Dimensions (mm) |                        |       | Color  |       |                     |       |        |  |
|--|------|---|--------------------------|------------|----------------|-----------|----------|----------|-----------|------|------|------|-------|------------|-----|---------------------|-------|----|-----|--------------------|-----|-----|-----------------|------------------------|-------|--------|-------|---------------------|-------|--------|--|
|  |      | SBC Slot                                    | Motherboard              |            | 5.25" F.P.     | 3.5" F.P. | 2.5" Int | 3.5" Int | 4 cm      | 6 cm | 8 cm | 9 cm | 12 cm | Power      | HDD | Power               | Reset | KB | USB | Keylock            | COM |     | USB             | COM                    | Depth | Height | Width | Black               | White | Silver |  |
| RACK-5000B <span style="color: red; font-weight: bold;">NEW</span> | 5U   |   | ATX, microATX            | 7          |                |           | 3        | 2        |           |      | 4    |      |       |            | 0   | 0                   | 0     | 0  |     | 2                  |     |     |                 | PS/2                   | 468.4 | 201    | 431   | 0                   |       |        |  |
| RACK-1150G   | 1U   | PICMG 1.0 full-size/<br>PICMG 1.3 full-size |                          | 3          | 1              |           |          | 1        | 3         |      |      |      |       |            | 0   | 0                   | 0     | 0  |     | 2                  |     |     |                 | 1U                     | 449   | 44     | 431   | 0                   |       |        |  |
| RACK-220G  | 2U   | PICMG 1.0 full-size                         | *microATX, Mini-ITX      | 6          | 1              | 1         |          | 1        |           |      |      |      | 2     |            | 0   | 0                   | 0     | 0  |     | 2                  | 0   |     |                 | PS/2                   | 487.5 | 88     | 431   | 0                   | 0     |        |  |
| RACK-305G  | 4U   | Full-size                                   | *ATX, microATX, Mini-ITX | 14         | 2              | 1         |          | 1        |           |      | ***2 | 2    |       |            | 0   | 0                   | 0     | 0  | 0   | 2                  | 0   |     |                 | PS/2 or mini redundant | 413   | 176    | 431   | 0                   | 0     |        |  |
| RACK-360G  | 4U   | Full-size                                   | *ATX, microATX, Mini-ITX | 14         | 2              | 1         |          | 1        |           |      | ***2 |      | 1     |            | 0   | 0                   | 0     | 0  | 0   | 2                  | 0   |     |                 | PS/2 or mini redundant | 435.5 | 176    | 431   | 0                   | 0     |        |  |
| RACK-3000G   | 4U   | Full-size                                   | *ATX, microATX, Mini-ITX | 14         | 3              | 2         |          | 1        |           |      | ***2 | 2    |       |            | 0   | 0                   | 0     | 0  | 0   |                    | 0   |     |                 | PS/2 or mini redundant | 520   | 176    | 431   | 0                   | 0     |        |  |
| RACK-500AI   | 5U   | Full-size                                   |                          | 5          |                | 1         |          | 1        |           |      |      | 1    |       |            | 0   | 0                   | 0     | 0  |     | 2                  |     |     |                 | 1U                     | 440.2 | 221.3  | 110.6 | (Navy Blue & Black) |       |        |  |
| ECA-310 <span style="color: red; font-weight: bold;">NEW</span>    |      |   | microATX                 | 4          | 1 (ultra slim) |           | 1        | 1        |           |      |      |      | 1     |            | 0   | 0                   | 0     | 0  |     | 2                  |     |     | 6               | 1U FLEX                | 341   | 337.5  | 157   |                     |       | 0      |  |
| ECA-300  |      |   | ATX, microATX            | 7          | 2              |           | 1        | 1        |           |      |      |      |       |            | 0   | 0                   | 0     | 0  |     | 2                  |     | 6   |                 | 1U                     | 291   | 162    | 365   |                     |       | 0      |  |
| ECA-200  |      |   | microATX                 | 4          |                |           | 1        | 1        |           |      |      |      |       |            | 0   | 0                   | 0     | 0  |     | 2                  |     | 6   |                 | 1U                     | 310   | 162    | 310   | 0                   |       |        |  |
| ECA-100  |      |   | ATX, microATX            | 7          |                |           | 1        | 1        |           |      |      |      |       |            | 0   | 0                   | 0     | 0  |     | 2                  |     |     | 4               | 2                      | 1U    | 320    | 480.5 | 210                 |       | 0      |  |
| PAC-1000G  |      | Full-size                                   |                          | 6          | 1              | 1         |          | 1        |           |      |      |      | 1     |            | 0   | 0                   | 0     | 0  |     |                    |     |     |                 | PS/2                   | 421   | 176    | 232   | 0                   |       |        |  |
| PAC-106G   |      | Full-size                                   |                          | 6          |                | 1         |          | 1        |           |      |      |      |       |            | 0   | 0                   | 0     | 0  |     | 2                  |     |     |                 | 1U                     | 400   | 175.5  | 166   |                     | 0     |        |  |
| PAC-1700G  |      | Full-size                                   |                          | 7          | 1              | 1         |          | 2        |           |      |      |      | 1     |            | 0   | 0                   | 0     | 0  |     |                    |     |     |                 | PS/2                   | 433   | 253.7  | 192.4 | 0                   |       |        |  |
| PAC-125G   |      | Full-size                                   |                          | 10         | 2              | 1         |          | 1        |           |      |      |      |       |            | 0   | 0                   | 0     | 0  |     | 2                  | 0   |     |                 | PS/2                   | 420   | 176    | 321   |                     | 0     |        |  |
| PAC-53GH   |      | Half-size                                   |                          | 3          |                |           | 1        |          |           |      |      |      |       |            | 0   | 0                   | 0     | 0  |     | 2                  |     |     |                 | 1U                     | 218   | 200    | 95    |                     | 0     |        |  |
| PR-1500G   |      | Half-size                                   |                          | 5          | ◇1             | 1         |          | 1        |           |      |      |      | 1     |            | 0   | 0                   | 0     | 0  |     | 2                  |     |     |                 | 1U                     | 254   | 132    | 286   |                     | 0     |        |  |
| PAC-700G   |      | Half-size                                   |                          | 7          | 1              | △1        |          | 1        |           |      |      |      | 1     |            | 0   | 0                   | 0     | 0  |     | 2                  | 0   |     |                 | 1U                     | 279   | 176    | 321   | 0                   |       |        |  |

■ Rackmount chassis  
■ Full-size wall mount chassis  
■ Half-size wall mount chassis

\* For ATX model  
 \*\*\* Optional fans for ATX model

◇ Slim-type CD-ROM  
 △ Please refer to datasheet for detail information

# Industrial Panel PCs

Anewtech offers a comprehensive range of panel PC solutions, spanning light to heavy industrial-grade systems designed for demanding vertical applications. With IP66 protection ratings, anti-glare and anti-UV PCAP touchscreens, and industrial-grade durability, these panel PCs are engineered to withstand shock, vibration, and harsh environments—delivering reliable performance across diverse sectors.

## Industrial Grade, Advanced Performance



### AFL series

| Size    | Resolution         | Intel® Alder Lake-S (Desktop) | Intel® Elkhart Lake (Celeron) | ARM-Based                        |
|---------|--------------------|-------------------------------|-------------------------------|----------------------------------|
| 7"      | 1024 x 600 (17:10) |                               | AFL4-W07-EHL                  | AFL4-W07-RK3566                  |
| 8"      | 800 x 600 (4:3)    |                               | AFL4-W08-EHL                  |                                  |
| 10.1"   | 1280 x 800 (16:10) | AFL4-W101-ADLP                | AFL4-W10-EHL                  | AFL4-W10-RK3568                  |
| 12.1"   | 1024 x 768 (4:3)   | AFL4-121-ADLP                 | AFL4-12-EHL                   |                                  |
| 12.1"   | 1280 x 800 (16:10) | AFL4-W121-ADLP                | AFL4-W12-EHL                  |                                  |
| 12.3"   | 1920 x 720 (8:3)   |                               |                               |                                  |
| 13.3"   | 1920 x 1080 (16:9) | AFL4-W133-ADLP                | AFL4-W13-EHL                  |                                  |
| 15"     | 1024 x 768 (4:3)   |                               |                               |                                  |
| 15.6"   | 1920 x 1080 (16:9) | AFL3-W15C-ADLP                | AFL4-W15-EHL                  |                                  |
| 18.5"   | 1920 x 1080 (16:9) | AFL3-W19C-ADLP                |                               |                                  |
| 21.5"   | 1920 x 1080 (16:9) | AFL3-W22C-ADLP                |                               |                                  |
| Memory  |                    | On-board LPDDR4x              | DDR4 SO-DIMM                  | On board LPDDR4x                 |
| Storage |                    | M.2 2242<br>M.2 2280          | 2.5" SATA SSD<br>M.2 2280     | M.2 2242<br>M.2 2280<br><br>eMMC |

### PPC series

| Size    | Resolution         | Intel® Alder Lake-S (Desktop)  | Intel® Raptor Lake-P (Mobile) | Intel® Alder Lake-P (Mobile) | Intel® Elkhart Lake (Celeron) | Intel® Atom®                          |
|---------|--------------------|--------------------------------|-------------------------------|------------------------------|-------------------------------|---------------------------------------|
| 7"      | 1024 x 600 (17:10) |                                |                               |                              |                               |                                       |
| 8"      | 800 x 600 (4:3)    |                                |                               |                              |                               |                                       |
| 10.1"   | 1280 x 800 (16:10) |                                |                               |                              |                               |                                       |
| 10.4"   | 800 x 600 (4:3)    |                                |                               |                              |                               |                                       |
| 12.1"   | 1024 x 768 (4:3)   |                                | UPC-F12M-RPLP                 |                              |                               |                                       |
| 12.1"   | 1280 x 800 (16:10) |                                |                               |                              |                               |                                       |
| 12.3"   | 1920 x 720 (8:3)   |                                |                               |                              | PPC2-CW123-EHL                |                                       |
| 13.3"   | 1920 x 1080 (16:9) |                                |                               |                              |                               |                                       |
| 15"     | 1024 x 768 (4:3)   | PPC2-C15-ADL                   |                               |                              | PPC2-C15-EHL                  |                                       |
| 15.6"   | 1920 x 1080 (16:9) | PPC2-CW15-ADL                  |                               | PPC2-CW156A-ADLP             |                               | SHIELD-156                            |
| 17"     | 1280 x 1024 (4:3)  | PPC2-C17-ADL                   |                               |                              | PPC2-C17-EHL                  |                                       |
| 18.5"   | 1920 x 1080 (16:9) | PPC2-CW19-ADL                  |                               | PPC2-CW185A-ADLP             | PPC2-CW19-EHL                 | SHIELD-185                            |
| 19"     | 1280 x 1024 (4:3)  | PPC2-C19-ADL                   |                               |                              | PPC2-C19-EHL                  |                                       |
| 21.5"   | 1920 x 1080 (16:9) | PPC2-CW22-ADL                  |                               | PPC2-CW215A-ADLP             | PPC2-CW22-EHL                 | SHIELD-215                            |
| Memory  |                    | SO-DIMM                        | On board LPDDR4x              | DDR4 SO-DIMM                 | On board LPDDR4x              | DDR5 SO-DIMM                          |
| Storage |                    | 2.5" SATA SSD<br>M.2 2242/2280 | M.2 2280                      | 2.5" SATA SSD<br>M.2 2280    | M.2 2242<br>M.2 2280          | M.2 2280<br>1 x 128GB Emmc (optional) |

# Industrial Monitors

Premium Industrial Monitors with Versatile Sizing and Robust Features

Anewtech's Industrial Monitor series delivers exceptional performance, durability, and versatility for demanding environments. Available in sizes from compact to large-format, these monitors feature IP65-rated front panels, glove-operable projected capacitive (PCAP) touchscreens, and support for wide operating temperature ranges. Built with industrial-grade components, they ensure reliable operation across applications such as HMI displays, kiosks, self-service terminals, and digital signage.



## Highlights



### Rugged Industrial Design

- IP65-rated front panel with a die-cast aluminum bezel for water and dust resistance
- Operates in extreme temperatures from -20°C to 60°C
- Complies with MIL-810G military standard for vibration resistance



### Comprehensive Connectivity and Multimedia

- Versatile input options: HDMI, VGA, DisplayPort, and USB 3.2 hub (4x Type-A, 1x Type-B)
- Integrated 720P webcam and dual 2.5W speakers for real-time interaction and AI facial recognition
- Wide 9V–36V DC input range for flexible power configurations



### Versatile Display and Touchscreen

- Available in comprehensive display sizes
- Anti-glare, anti-UV, and 10-point projected capacitive (PCAP) touchscreen
- Touch operable with gloves and resistant to scratches (7H hardness)



### User-Friendly Interface

- Front-access OSD buttons for quick brightness and input adjustments
- Narrow bezel design
- Easy panel mounting without specialized tools

## Product Selection Guide

| Model           | Diagonal Size (inch)       | Resolution | Brightness (cd/m <sup>2</sup> ) | Aspect Ratio |       |
|-----------------|----------------------------|------------|---------------------------------|--------------|-------|
| DM2-104E        | Industrial Grade 4:3 Ratio | 10.4       | 1024x768                        | 350          | 4:3   |
| DM2-121E(L)     |                            | 12.1       | 1024x768                        | 500          | 4:3   |
| DM2-121E(L)-HL  |                            | 12.1       | 1024x768                        | 1000         | 4:3   |
| DM2-150E(L)     |                            | 15         | 1024x768                        | 350          | 4:3   |
| DM2-170H(L)     | Industrial Grade 5:4 Ratio | 17         | 1280x1024                       | 350          | 5:4   |
| DM2-190H(L)     |                            | 19         | 1280x1024                       | 450          | 5:4   |
| DM2-UW123I(L)   | Ultra-Wide Format          | 12.3       | 1920x720                        | 850          | 16:9  |
| DM2-W101G(L)    | Wide Format                | 10.1       | 1280x800                        | 400          | 16:10 |
| DM2-W121G(L)    |                            | 12.1       | 1280x800                        | 400          | 16:10 |
| DM2-W121G(L)-HL |                            | 12.1       | 1280x800                        | 1000         | 16:10 |
| DM2-W133K(L)    |                            | 13.3       | 1920x1080                       | 400          | 16:9  |
| DM2-W156K(L)    |                            | 15.6       | 1920x1080                       | 400          | 16:9  |
| DM2-W185K(L)    |                            | 18.5       | 1920x1080                       | 400          | 16:9  |
| DM2-W215K(L)    |                            | 21.5       | 1920x1080                       | 250          | 16:9  |
| DM2-W238K(L)    | Large Size                 | 23.8       | 1920x1080                       | 250          | 16:9  |
| DM2-W270P(L)    |                            | 27         | 2560x1440                       | 350          | 16:9  |
| DM2-W315O(L)    |                            | 31.5       | 3840x2160                       | 350          | 16:9  |

\* The DM2-xxxxL does not include camera, speaker, or USB hub features.

# Network Appliances

Empower Networks, Drive Transformation

Anewtech's PUZZLE series of network appliance solutions supports digital transformation across industries, playing a vital role in SD-WAN deployment, network security, edge computing, and data center operations. The lineup spans versatile platforms, from budget-friendly compact tabletop systems to high-performance 1U rackmount servers, scalable 2U solutions, and AI-powered 5U edge servers. Designed to meet the needs of businesses and service providers of all sizes, PUZZLE systems deliver reliable performance for critical applications ranging from data center operations to edge computing.



## PUZZLE-9070 Series 5U Premium Network Appliance

High-Performance Computing (HPC) & AI-Oriented Applications



## PUZZLE-5070 Series 1U Premium Network Appliance

Virtualization Workload Consolidation



## PUZZLE-8010 Series 2U Premium Network Appliance

Hyperconverged Infrastructure & MEC



Edge AI Computing

Cyber Security

Cloud Computing & Data Center

## Highlights



### Optimized for HPC and AI Workloads

- Supports multi-core, high-frequency Intel® and AMD processors with scalable PCIe Gen4/5 lanes for massive data throughput.
- Integrated GPU and FPGA compatibility for compute-intensive AI inference and training tasks.



### Accelerated Virtualization and Workload Consolidation

- Virtualization-ready architecture with SR-IOV, DPDK, and VT-d/IOMMU support for efficient resource sharing.
- Integrated with IEI Virtualization Edge Computer (iVEC) solution to enhance VM functionality, enable seamless workload consolidation and simplify edge infrastructure management.



### Reliable System Availability

- Features such as hot-swappable fans and storage, redundant CRPS power supplies, and LAN bypass.
- Integrated BMC/iRIS2 modules enable out-of-band remote management, minimizing system downtime.
- Designed for 24/7 operation with validated thermal efficiency.



### Flexible Software and Ecosystem Integration

- Support major open-source platforms like OpenWrt, pfSense®, and OPNsense®.
- Pre-validation with SD-WAN, uCPE, and security software from ecosystem partners.
- BIOS-configurable bypass function, flexible NFV-ready architecture with VNF deployment capability.

## Puzzle Series – Tiered Network Appliance Solutions for Every Deployment Need



Alliance Partners

