COVALENT

Full Tower

Structural Capacity

Internal Flexibility

Thermal Architecture

Refined Design Details

Industrial Craftsmanship

Designed for modern AI and HPC environments, COVALENT delivers an industrial grade foundation built around precision engineering and thermal efficiency. Its full tower structure offers a choice of steel or tempered glass side panels, giving builders the option to prioritize durability or visual presentation.
A spacious, purpose designed interior supports advanced cooling layouts and clean component organization, creating a chassis that balances professional function with an elevated workstation aesthetic.

Workstation Core

Engineered to support pro-grade hardware,
COVALENT accommodates EEB 12" x 13" motherboards,
providing the layout necessary for high-core CPUs,
large memory capacity, and bandwidth-intensive computing,
offering clearance for oversized GPUs,
expanded storage, and advanced cooling systems.

GEFORCE RTX

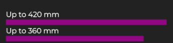
AI & HPC Ready

Built to meet the demands of accelerated computing, COVALENT supports high-end and professional GPUs tailored for AI training, inference, and HPC workloads. The reinforced 8-slot PCIe expansion layout provides structural stability for heavy, full length graphics cards, ensuring reliable performance in multi-GPU configurations.
A directed airflow path maintains consistent thermal performance under sustained processing demands.

GPU Stability

COVALENT supports an optional GPU holder bracket to provide additional reinforcement for heavier graphics cards.

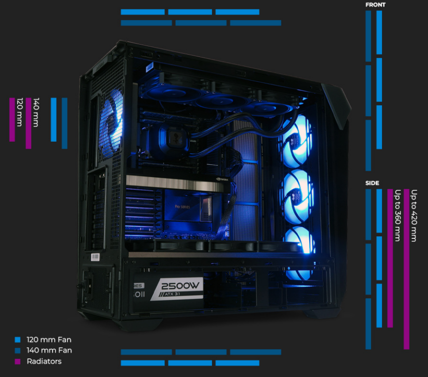
* GPU holder bracket not included. Availability may vary by region.



Thermal Dominance

COVALENT is engineered for high-performance cooling,
supporting dual 420 mm radiators
for extensive liquid-cooling configurations.
Its high-capacity intake and exhaust pathways maintain steady airflow,
ensuring stable thermals during long-duration computing workloads.

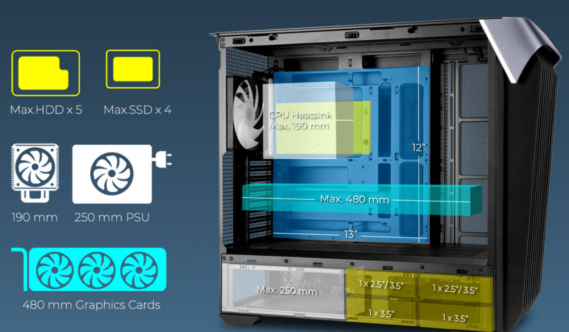
* Pre-installed CV140 Fans: 3 x Front, 1 x Rear



Model	CV140
Colors	Black
Fan Size	140 x 140 x 26 mm
Materials	PBT, PC
Rated Voltage	DC 12V
Rated Power	3W
Rated Current	0.25A
ARGB Rated Voltage	DC 5V
ARGB Rated Power	1.65W
ARGB Rated Current	0.33A
Speed Mode	PWM 600 - 1200 RPM
Air Flow	62.95 CFM
Air Pressure	1.2 mm / H2O
LED	Addressable RGB
Connector to M/B	4-Pin (12V, PWM), 3-Pin (5V, ARGB)
Noise Level	24.4 dB(A)
Bearing Type	Hydraulic Bearing

* InWin's products comply with RoHS regulations.

* Specifications may vary based on different regions.



Pro-Grade Space

As a full-tower platform, COVALENT delivers the expansive interior needed for professional-grade workstation builds.
Its EEB motherboard compatibility and versatile storage layout provides generous room for high-end components, cable routing,
and workflow-specific configurations. The thermal architecture accommodates dual 420 mm radiators or up to 13 fans for reliable long-term operation.

Thumbscrews PSU Bracket
Simplifies Power Supply Installation

Individual PSU chamber
Detachable Tempered Glass Cover

Workstation-Grade Front I/O

Details Define Excellence

Tool-Free Side Panels

Fan Hub Support
Supports up to 6 sets of PWM
and ARGB control
* Includes SATA power connector

Rubber Grommet Cover

Velcro Cable Ties

Rear Cable Clip

Cable Management Enhanced

COVALENT
Innovation from Inception to Integration

Specifications

Model	COVALENT
Model Number	IW-CS-COVALENT-TG-4CV140 IW-CS-COVALENT-SP-4CV140
Colors	Black
Case Type	Full Tower
Materials	SPCC, Tempered Glass, Aluminium, ABS SPCC, SECC, Aluminium, ABS
M/B Compatibility	EEB, 12" x 13" (305 x 330 mm) E-ATX, ATX, Micro-ATX, Mini-ITX
Expansion Slots	8 x PCIe
Maximum Compatibility	GPU Length: 480 mm CPU Heatsink Height: 190 mm
I/O Ports	1 x USB 3.2 Gen 2x2 Type-C 2 x USB 3.2 Gen 1 2 x USB 2.0 HD Audio (CTIA - SPK/MIC) Power Button LED Lighting Control Switch
Internal Drive Bays	1 x 3.5" / 2 x 2.5" 4 x 3.5" / 2 x 2.5"
Thermal Solution Compatibility	Air Cooling Fans: Front: 3 x 120 / 140 mm (CV140 fan included) Top: 3 x 120 / 140 mm Rear: 1 x 120 / 140 mm (CV140 fan included) Bottom: 3 x 120 / 140 mm Side: 3 x 120 / 140 mm Water Cooling Radiator: Top: 1 x 360 / 420 mm Rear: 1 x 120 / 140 mm Side: 1 x 360 / 420 mm
Power Supply Compatibility	PSII : ATX12V - Length up to 250 mm
Product Dimensions (L x W x H)	606 x 250 x 536 mm 23.9 x 9.8 x 21.1"
Package Dimensions (L x W x H)	692 x 353 x 626 mm 27.2 x 13.9 x 24.6"
Net Weight	14.3 kg / 31.5 lb 13.9 kg / 30.6 lb
Gross Weight	16.5 kg / 36.4 lb 16.1 kg / 35.5 lb

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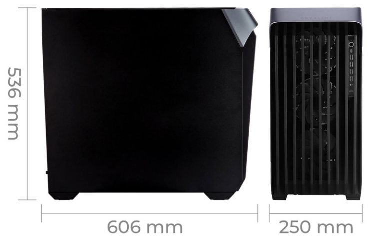
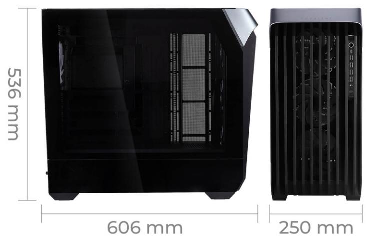


Steel Penal (SP) Version



Tempered Glass (TG) Version

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