

Thermaltake Level 20 Full Tower

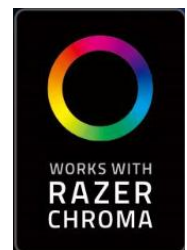
- **Style : Simple**
- **Size : Super-Tower supports up to E-ATX MB**
- **Material : Steel & Aluminum & Tempered Glass**
- **Main Feature**

■ **Connection** : Top- front I/O ports with 4 x USB 3.0 & 1 x Type-C

■ **Ventilation** : 3 preinstalled 140mm Riing Plus RGB fans

■ **Expansion** : 6+2+3 drive bays with modular drive racks design

■ **Support** : LCS & Advance Cable Management



Thermaltake Level 20 Full Tower

•Specification

Model	Level 20
P/N	CA-1J9-00F9WN-00
Case Type	Full Tower
Chassis Dimension (D*W*H)	732 x 280 x 688 mm (28.8 x 11 x 27.1 inch)
Net Weight	32.0 kg / 70.54 lb
Side Panel	4mm Tempered Glass x 3 (Left)
Color	Exterior: Space Gray(Aluminum) ; Interior : Black
Material	SPCC + Aluminum
Cooling System (M/B Chamber)	Rear (exhaust) : 140 x 140 x 25 mm Riing Plus RGB fan (500-1400rpm, 27.2dBA) Front (intake) : 140 x 140 x 25 mm Riing Plus RGB fan (500-1400rpm, 27.2dBA) x2
Drive Bays	
-Accessible	2.5" or 3.5"x6 (HDD Cage), 2.5" or 3.5" x 2(HDD Bracket)
-Hidden	2.5"x 3 or 3.5"x 2(HDD Bracket)
Expansion Slots	8+2
Motherboards	6.7" x 6.7" (Mini ITX), 9.6" x 9.6" (Micro ATX), 12" x 9.6" (ATX), 12" x 13"(E-ATX)
I/O Port	USB 3.0 x 4, Type-C x 1, HD Audio x 1
PSU	Standard PS2 PSU (optional)
Fan Support	LCS/Storage Chamber: 4 x 120mm , 3 x 140mm M/B Chamber: Front: 3 x 120mm , 2 x 140mm Rear: 1 x 120mm, 1 x 140mm
Radiator Support	LCS/Storage Chamber: 1 x 480mm , 1 x 420mm M/B Chamber: Front: 1 x 360mm , 1 x 280mm Rear: 1 x 120mm, 1 x 140mm
Clearance	CPU cooler height limitation: 200mm VGA length limitation: 260mm(With Thick Radiator + Fan) 310mm(Without Radiator) PSU length limitation: 220mm

Thermaltake Level 20 Full Tower

•Packaging(Level 20)

Package Information		
EAN Code	4711246873261	
UPC Code	8411630032683	
N.W	32.0 kg / 70.54 lb	
G.W	38.4 kg / 84.66 lb	
Carton Size (L x W x H)	895 x 440 x 845mm / 35.2 x 17.3 x 33.2 inch	
Cuft	11.75	
Container	with pallet	w/o pallet
20'	64	71
40'	135	155
40' HQ	135	194



Thermaltake Level 20 Full Tower

•Appearance – Window(Level 20)



Angle view



Left Side view



Front view



Right Side view



Rear view



Top view



Bottom view

Thermaltake Level 20 Full Tower

- *Unique Design*



Maximum fan support
up to 6 x 140mm



Maximum radiator
support up to 360mm

Thermaltake Level 20 Full Tower

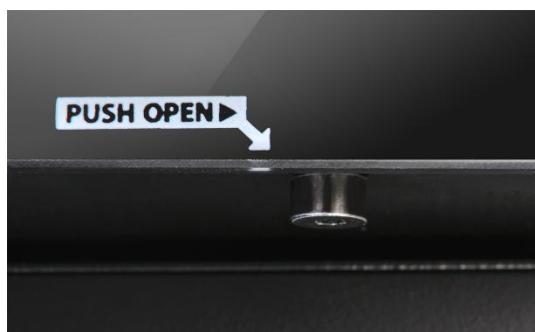
- **Unique Design**



3 Tempered Glass hinged-
windows



Aluminum surface and
mechanical side panels
design



Mechanical Panel lock

Thermaltake Level 20 Full Tower

- *Unique Design*



USB Type-C included



Built-in Lumi plus RGB LED Strips

Thermaltake Level 20 Full Tower

- *Unique Design*



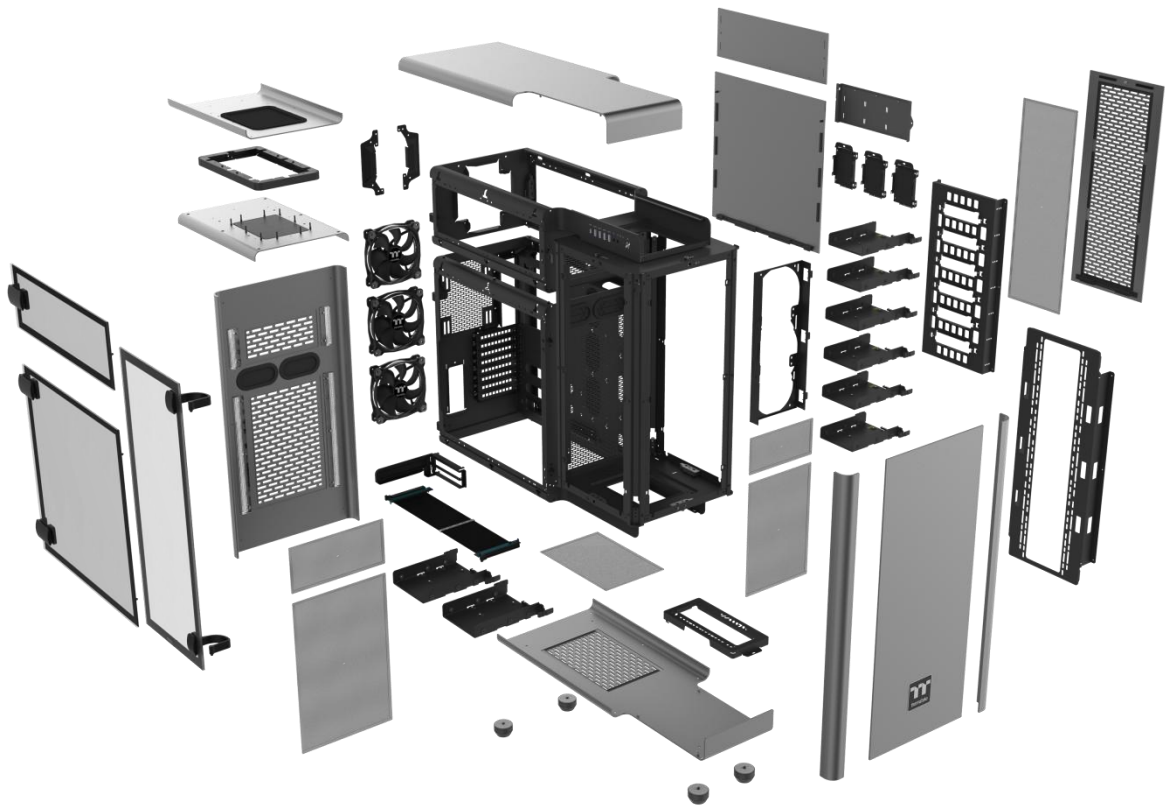
Large space of cable management(Top)



Switchable aluminum front panels

Thermaltake Level 20 Full Tower

- *Unique Design*



Full modular design

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- **Ventilation (Level 20)**



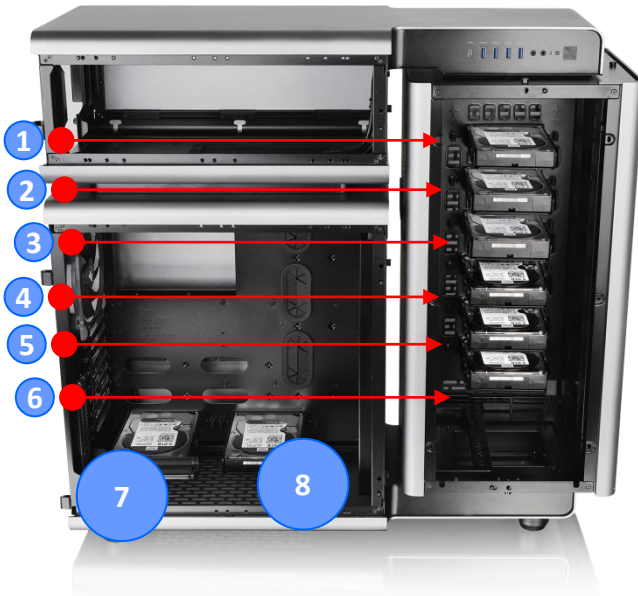
Two 140mm front Riing Plus RGB fans



One 140mm rear Riing Plus RGB fan

Thermaltake Level 20 Full Tower

•Structure (Internal)



8 x 3.5" or 2.5" HDD Rack



3 x 2.5" HDD Bracket



Thermaltake Level 20 Full Tower

•Structure (Internal)



8 x 3.5" or 2.5" HDD Rack



3 x 2.5" or 2 x 3.5" HDD Bracket

Thermaltake Level 20 Full Tower

- *The Cooling System – DIY Liquid Cooling (Optional)*

Riing Plus



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•The Cooling System – Air Cooling

Rear

120mm x 1

140mm x 1

Front/Right

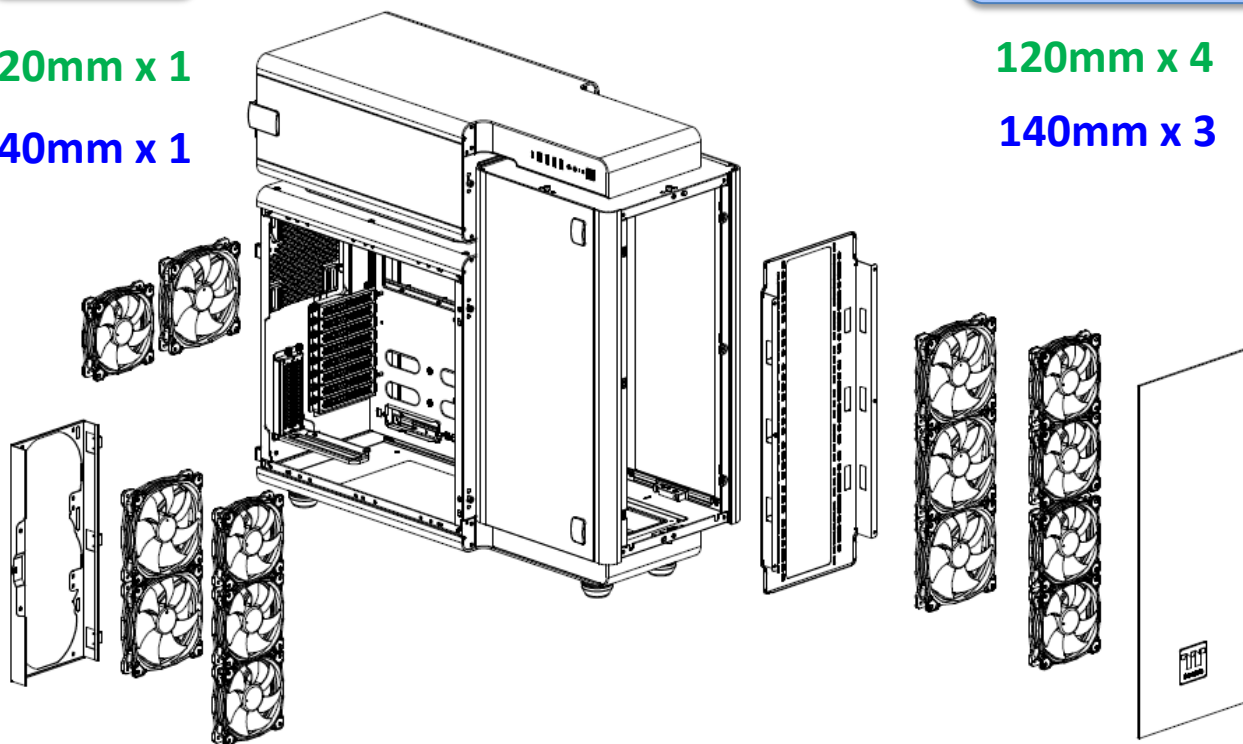
120mm x 4

140mm x 3

Front

120mm x 3

140mm x 2



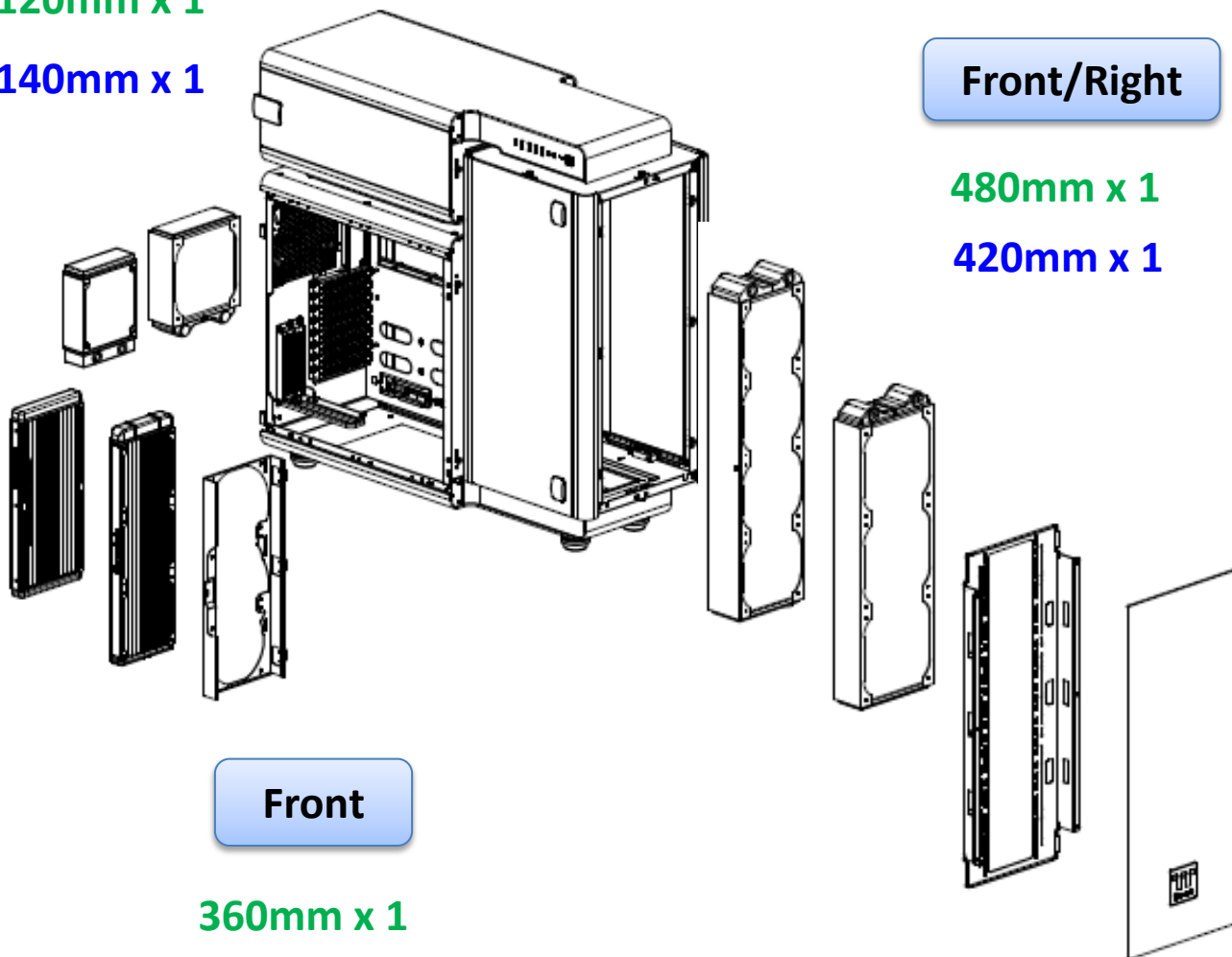
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•The Cooling System – DIY Liquid Cooling (Optional)

Rear

120mm x 1

140mm x 1



Front/Right

480mm x 1

420mm x 1

Front

360mm x 1

280mm x 1

Thermaltake Level 20 Full Tower

• Features

- Patented 12 Single LED ring & Software design
- Supports up to 16 controllers, maximum 80 fans
- 16.8 million color RGB spectrum
- High static pressure fan design for radiator cooling
- Long life hydraulic bearing for reliable and silent operation
- 7 LED lighting modes:
Full lighted, RGB spectrum, ripple, pulse, wave, flow and sound effects



• Specification

Fan Dimension	140 x 140 x 25 mm
Interface	USB 2.0 connectors (9 Pin)
System compatibility	Windows 7 / 8 / 8.1 / 10
Fan Started Voltage	9.0 V
Fan Rated Voltage	12 V & 5V
Rated Current	Fan 0.17 A (one fan)
Power Input	12V – 6.5 W . 5V – 9.5W (Fan*3) 12V – 9 W . 5V – 14.5W (Fan*5)
Fan Speed	500 ~ 1400 R.P.M
Max. Air Pressure	1.53 mm-H2O
Max. Air Flow .	63.19 CFM
Noise Level	27.2 dB-A
Bearing Type	Hydraulic Bearing
Life expectation	40,000 hrs,25°C

Thermaltake Level 20 Full Tower

•Angle View



Front view



Back view



Unique Fan blade shape



Controller



Parts (M3 for Radiator, T5x10 fan screw)

Thermaltake Level 20 Full Tower

- Detail Features



Riing RGB software

Digitally controlled with
Riing RGB software



16.8 million colors

design for radiator cooling



Application

Support up to 80 pcs fans

Thermaltake Level 20 Full Tower

•Angle View



RGB Spectrum Mode:
A gorgeous and seamless transition through the entire range of 16.8 million RGB colors



Ripple Mode:
RGB Colors ripple out across the fan



Flow Mode:
RGB or Single color flow in a clockwise direction



Pulse Mode:
A slow fade in and fade out of your color choice

Thermaltake Level 20 Full Tower

• Features

- Digital control 16.8 million color customized LED lighting
- Features 12 addressable LED
- Support 9 LED lighting modes
- Magnetic LED strip allows easily attach and remove from any metal surface
- Chainable connector allows extend multiple LED strips

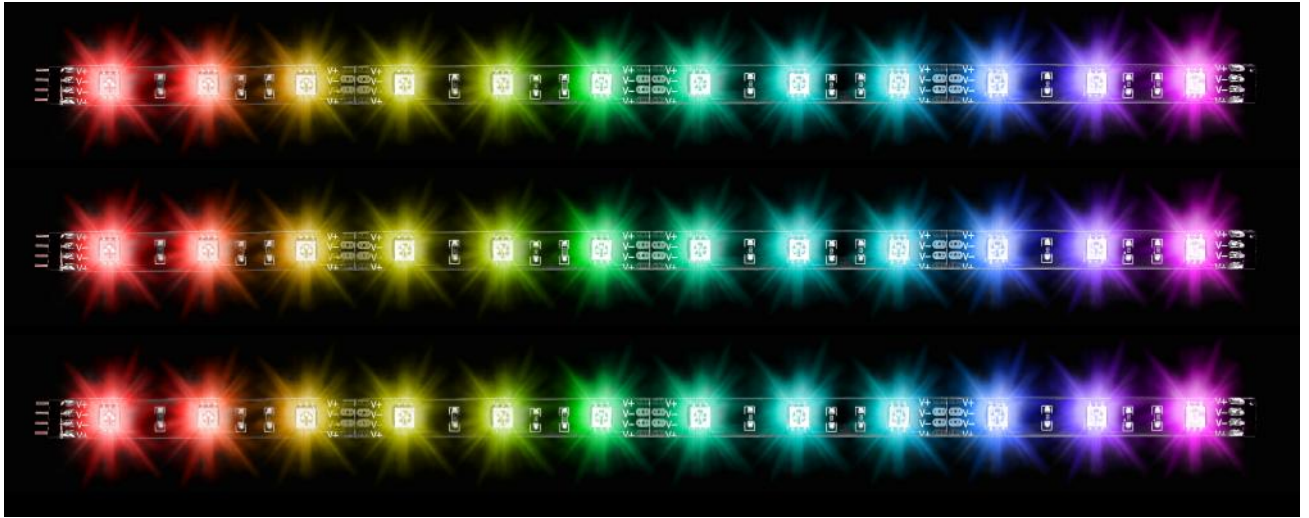


• Specification

LED Strip Dimension	30cm – 12 LEDs
Interface	USB 2.0 connectors (9 Pin)
System compatibility	Windows 7 / 8 / 8.1 / 10
LED Strip Rated Voltage	5V
LED Strip Rated Current	0.48 A (one LED strip)
Power Input	12V – 14.4 W . 5V – 14.7 W (LED Strip*3)
LED Spec	Addressable LED

Thermaltake Level 20 Full Tower

•Angle View



Front view



RGB Control software



Controller



Parts

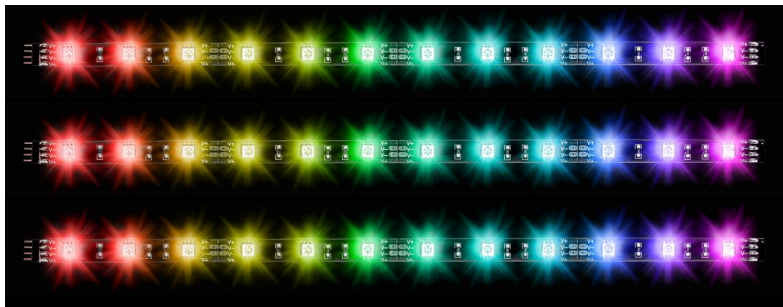
Thermaltake Level 20 Full Tower

- Detail Features



Riing RGB software

Digitally controlled with
Riing RGB software



16.8 million colors

design for radiator cooling



Application

Support up to 80 pcs fans

Thermaltake Level 20 Full Tower

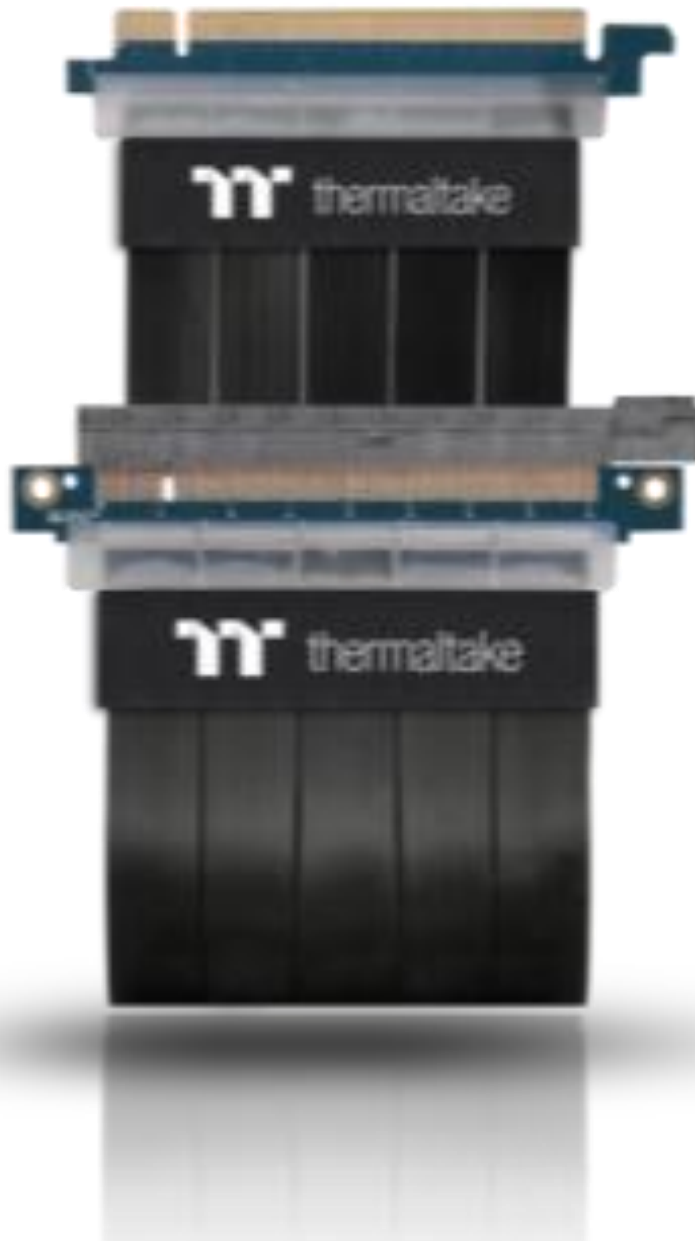
• Features

- **Compatibility:** Supporting PCI Express 2.0 and 3.0 applications.
- **Performance:** Data rates up to 8 Gbps and beyond.
- **Flexibility:** Allows for an ultra-tight bend radius and multiple folds while performing at incredibly high speeds.
- **Reliability:** Fully PCI Express Cable High Frequency tested by Agilent Network Analyzer for Insertion Loss, Return Loss and Next test.



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- ***Appearance – 300mm***



Angle view

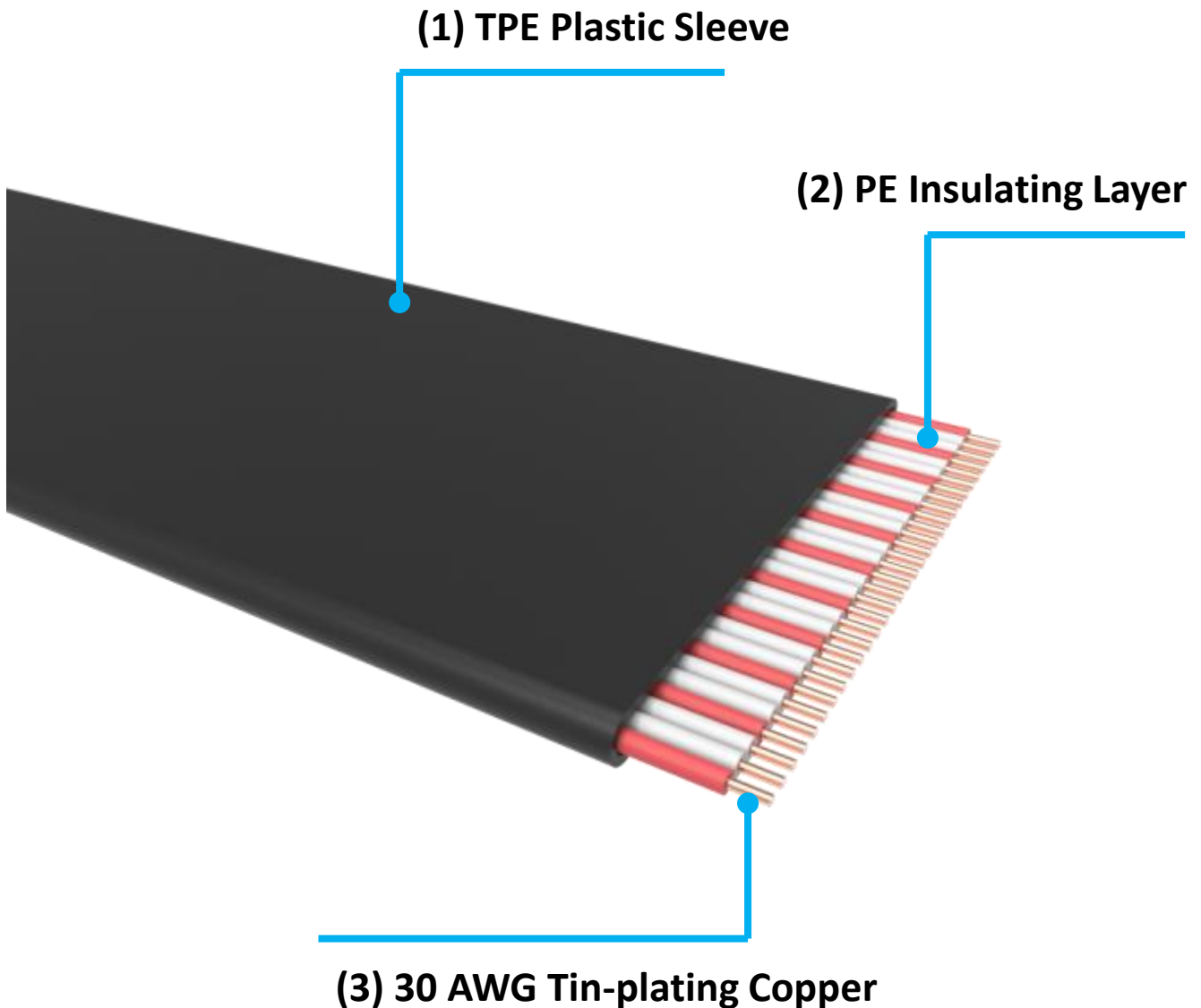
Thermaltake Level 20 Full Tower

- ***Appearance – 300mm***



Angle view

•Appearance - Materials



- (1) The outer layer: Ultra-density sleeve design
- (2) The middle layer: Insulating layer
- (3) The inner layer: 30 AWG wire

Thermaltake Level 20 Full Tower

•Professional Quality Control - High Frequency Test



Professional PCIE Cable High Frequency tested by Agilent Network Analyzer

Measurement Parameter: Differential Near-end crosstalk



TT Premium 16X Extender – Pass

Red Line: Signal Integrity

Green Line: Cable Signal



Others – Fail

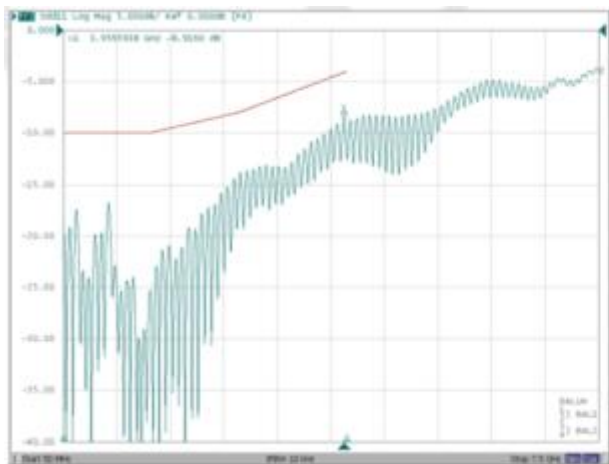
Red Line: Signal Integrity

Green Line: Cable Signal

Thermaltake Level 20 Full Tower

•Professional Quality Control - High Frequency Test

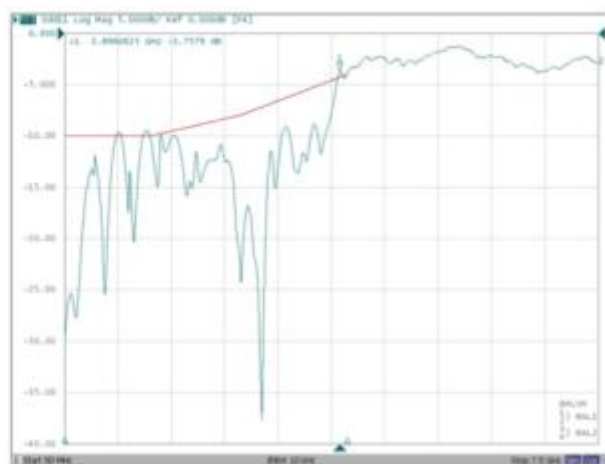
Measurement Parameter: Differential Return Loss



TT Premium 16X Extender – Pass

Red Line: Signal Integrity

Green Line: Cable Signal

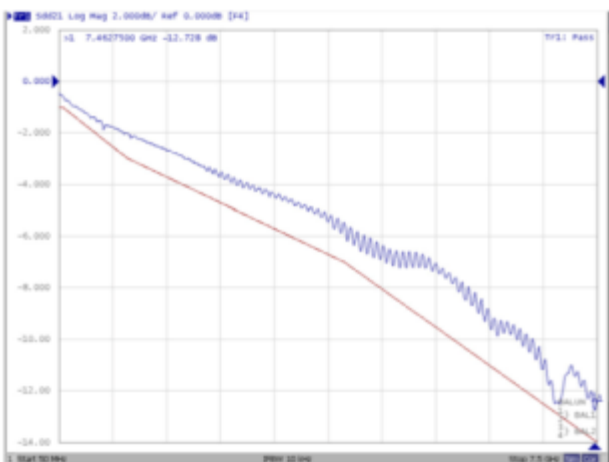


Others – Fail

Red Line: Signal Integrity

Green Line: Cable Signal

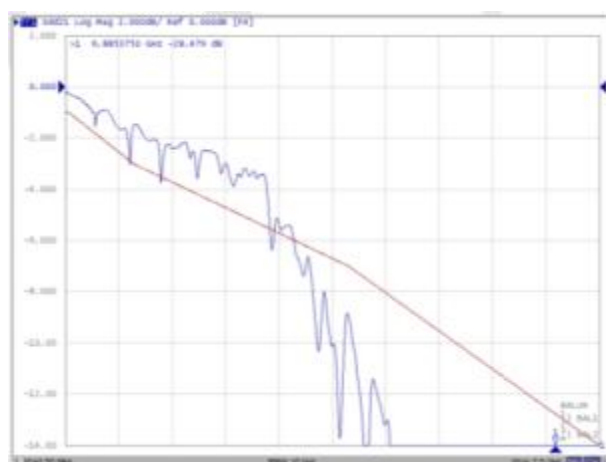
Measurement Parameter: Differential Insertion Loss



TT Premium 16X Extender – Pass

Red Line: Signal Integrity

Green Line: Cable Signal



Others – Fail

Red Line: Signal Integrity

Green Line: Cable Signal

Thermaltake Level 20 Full Tower

•Professional Quality Control – Folding Performance Test

Measurement Parameter:
Differential Return Loss

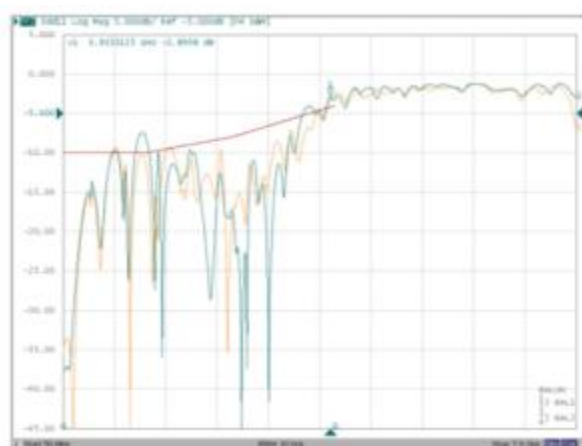


TT Premium 16X Extender – Pass

Red Line: Signal Integrity

Blue Line: Before Folding

Orange Line: After Folding



Others – Fail

Red Line: Signal Integrity

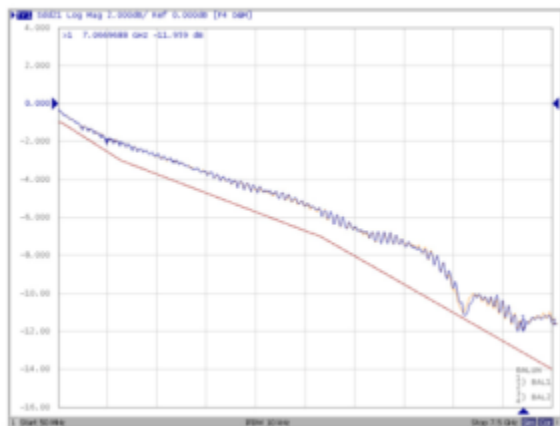
Blue Line: Before Folding

Orange Line: After Folding

Thermaltake Level 20 Full Tower

•Professional Quality Control – Folding Performance Test

Measurement Parameter:
Differential Insertion Loss



TT Premium 16X Extender – Pass

Red Line: Signal Integrity

Blue Line: Before Folding

Orange Line: After Folding



Others – Fail

Red Line: Signal Integrity

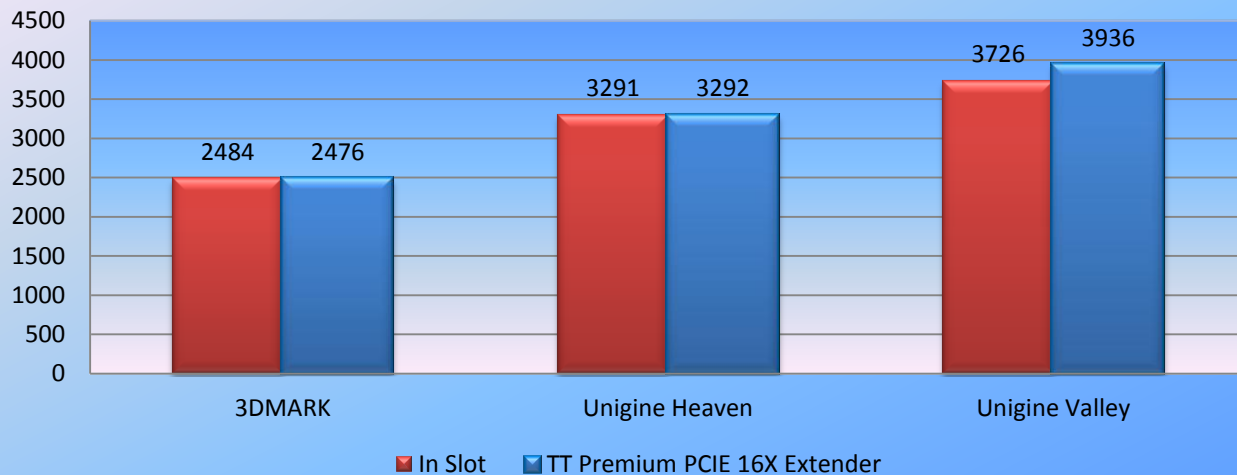
Blue Line: Before Folding

Orange Line: After Folding

Thermaltake Level 20 Full Tower

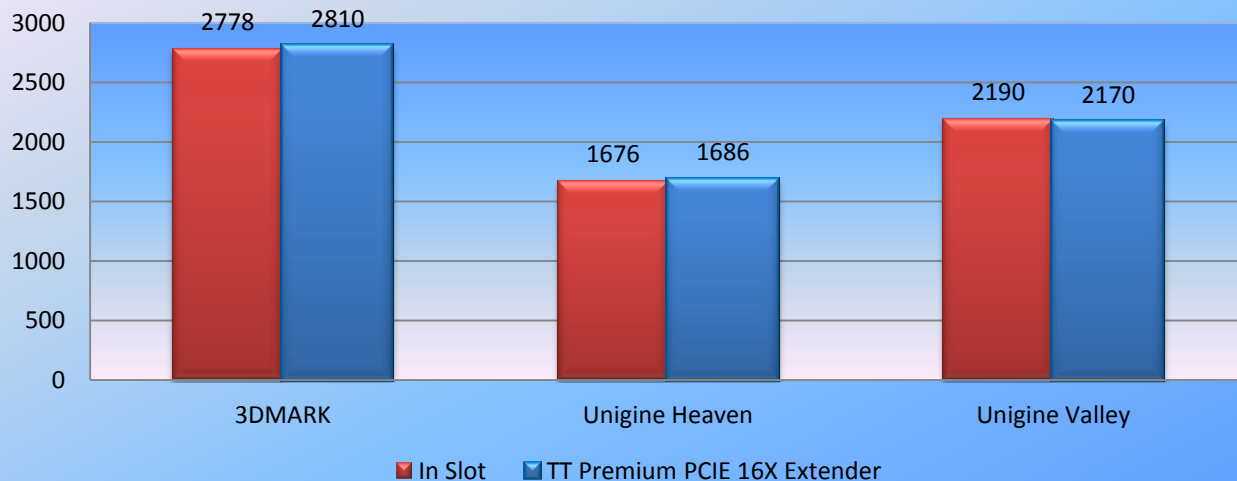
•3rd Party Testing Benchmark

TTP PCIE 16X Extender Benchmark Score NVIDIA GeForce GTX 1080



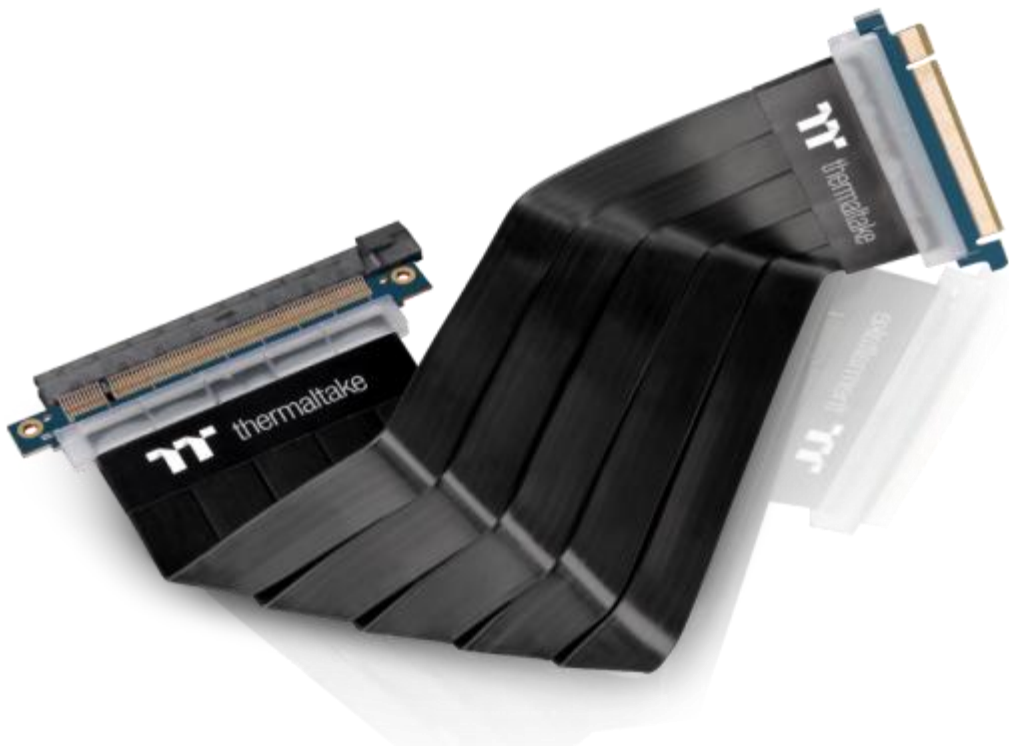
Reliable performance with benchmark testing

TTP PCIE 16X Extender Benchmark Score AMD Radeon RX 480



Thermaltake Level 20 Full Tower

- ***Appearance - 300mm***



Highly-routable, foldable and flexible

Thermaltake Level 20 Full Tower

- *Unique Design – 300mm*



Durable Usage and Easy Installation



Thermaltake Level 20 Full Tower

• Compatibility List(LCS/Storage Chamber)

Fan Compatibility List			
	120mm	140mm	200mm
Front/Right	4	3	-

Thermaltake Compatible Fan			
	120mm	140mm	200mm
PURE FAN Series	●	●	-
LUNA FAN Series	●	●	-
Riing FAN Series	●	●	-

Radiator Compatibility List							
	120mm	240mm	360mm	480mm	140mm	280mm	420mm
Front/Right	●	●	●	●	●	●	●

Thermaltake Level 20 Full Tower

• Compatibility List(M/B Chamber)

Fan Compatibility List			
	120mm	140mm	200mm
Front	3	2	-
Rear	1	1	-

Thermaltake Compatible Fan			
	120mm	140mm	200mm
PURE FAN Series	●	●	-
LUNA FAN Series	●	●	-
Riing FAN Series	●	●	-

Radiator Compatibility List						
	120mm	240mm	360mm	140mm	280mm	420mm
Front	●	●	●	●	●	-
Rear	●	-	-	●	-	-

All-in-One Compatibility List (Water 3.0 and Floe series)						
	Performer	Pro	240 Series	360 Series	140 Series	280 Series
Front	●	●	●	●	●	●
Rear	●	●	-	-	●	-