

# **Anti-DDoS Advanced**

## **Purchase Guide**

### **Product Documentation**



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# Purchase Guide

## Billing Overview

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### Billing Mode

Anti-DDoS Advanced adopts a combo billing mode, utilizing both monthly subscription and pay-as-you-go. Specifically, base protection bandwidth, application bandwidth, and forwarding rules are on monthly subscription, while elastic protection bandwidth is pay-as-you-go on a daily billing cycle.

Billable Item	Billing Mode	Payment Method	Billing Description
Base protection bandwidth	Monthly subscription	Prepaid	Provides base protection bandwidth. The fee is billed based on the base protection bandwidth limit and subscription plan period. Fees will be frozen at time of purchase and settled on the 1st day of the next month.
Elastic protection bandwidth	Pay-as-you-go; daily billing cycle	Postpaid	Once elastic protection is triggered, you will be billed on the following day based on the tiered price of the peak attack bandwidth for the current day. No charges will incur if no elastic protection is triggered. You can adjust the elastic protection configuration as needed.
Forwarding rules	Monthly subscription Billed by count	Postpaid	60 forwarding rules are provided for free for each Anti-DDoS Advanced instance by default. Every additional 10 rules costs USD 100 per month. Each instance can have up to 500 forwarding rules.
Application bandwidth	Monthly subscription Billed by bandwidth	Prepaid	Bandwidth used for forwarding the cleansed application traffic back to the real server. Bandwidth within 100 Mbps is free of charge. You can adjust the bandwidth threshold as needed.

### Base Protection

Base protection is billed based on your monthly subscription plan. See the following table for detailed prices.

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Anti-DDoS Capacity	Non-BGP	BGP	Outside Chinese mainland
20 Gbps	-	1,000 USD/month	4,800 USD/month
30 Gbps	-	-	7,000 USD/month
40 Gbps	-	-	8,200 USD/month
50 Gbps	4,000 USD/month 25,000 USD/year	4,500 USD/month 35,000 USD/year	10,500 USD/month
100 Gbps	40,000 USD/year	50,000 USD/year	198,000 USD/year
300 Gbps	60,000 USD/year	65,000 USD/year	-

- “Non-BGP” refers to China Mobile/China Union/China Telecom network services. If purchased, you will be provided with three Anti-DDoS Advanced instances, one for each of them.
- “Outside Chinese mainland” refers to Tencent Cloud regions outside the Chinese mainland, namely, Hong Kong (China), Taiwan (China), Singapore, Seoul, Tokyo, and Virginia.

## Elastic Protection

You can enable elastic protection as needed.

- If elastic protection is not enabled for an instance, its maximum protection will be the base protection bandwidth, and no extra fees will incur.
- If elastic protection is enabled for an instance, its maximum protection will be the selected elastic protection bandwidth.
  - If elastic protection is not triggered, no charges will be incurred.
  - Elastic protection will be triggered when the peak attack traffic exceeds the base protection bandwidth. You will be billed on the following day based on the tiered price of the peak attack bandwidth for the current day.

See the following table for detailed prices.

Billing Tier	Non-BGP (USD/day)	BGP (USD/day)	Outside Chinese mainland (USD/day)
20 Gbps ≤ Peak attack bandwidth < 30 Gbps	-	260	400

30G bps ≤ Peak attack bandwidth < 40 Gbps	-	450	700
40 Gbps ≤ Peak attack bandwidth < 50 Gbps	-	600	800
50 Gbps ≤ Peak attack bandwidth < 60 Gbps	800	800	1,200
60 Gbps ≤ Peak attack bandwidth < 70 Gbps	1,200	1,200	1,800
70 Gbps ≤ Peak attack bandwidth < 80 Gbps	1,500	1,500	2,200
80 Gbps ≤ Peak attack bandwidth < 90 Gbps	1,700	1,700	2,500
90 Gbps ≤ Peak attack bandwidth < 100 Gbps	1,900	1,900	2,700
100 Gbps ≤ Peak attack bandwidth < 120 Gbps	2,100	2,100	2,900
120 Gbps ≤ Peak attack bandwidth < 150 Gbps	2,300	2,300	3,200
150 Gbps ≤ Peak attack bandwidth < 200 Gbps	2,700	2,700	4,000
200 Gbps ≤ Peak attack bandwidth < 250 Gbps	4,800	4,800	4,800
250 Gbps ≤ Peak attack bandwidth < 300 Gbps	5,600	5,600	5,600
300 Gbps ≤ Peak attack bandwidth < 400 Gbps	-	-	6,600
400 Gbps ≤ Peak attack bandwidth < 600 Gbps	-	-	-
600 Gbps ≤ Peak attack bandwidth < 900 Gbps	-	-	-
900 Gbps ≤ Peak attack bandwidth < 1.2 Tbps	-	-	-

## Forwarding Rules

Number of Rules	Price (USD/month per 10 rules)
Number of ports (or protected domains) $\leq$ 60	Free
Number of ports (or protected domains) $>$ 60	100

The number of forwarding rules is the total number of TCP/UDP ports (for non-website connections) and HTTP/HTTPS domain names (for website connections) that you configure for an Anti-DDoS Advanced instance.

## Application Bandwidth

Application bandwidth is the bandwidth used for forwarding the application traffic that has been cleansed by the Tencent Cloud Anti-DDoS data center back to the data center on the real server. It is billed by the monthly subscription plan. See the following table for detailed prices.

Bandwidth	Price (USD/month)
50 Mbps	750
100 Mbps	1,500
150 Mbps	2,250
200 Mbps	3,000
500 Mbps	7,500
1 Gbps	15,000
2 Gbps	30,000

The relationship between the application bandwidth and the number of Layer-7 requests is as shown in the following table.

Application Bandwidth	HTTP	HTTPS
50 Mbps	1,500 QPS	1,500 QPS
100 Mbps	3,000 QPS	3,000 QPS
150 Mbps	5,000 QPS	3,500 QPS

200 Mbps	7,000 QPS	4,000 QPS
500 Mbps	20,000 QPS	7,000 QPS
1 Gbps	40,000 QPS	10,000 QPS
2 Gbps	70,000 QPS	17,000 QPS

- The application traffic limit applies to both the inbound anti-DDoS forwarding traffic and the outbound Anti-DDoS traffic. The application bandwidth needs to be higher than the peak bandwidth of the two, whichever is greater. If the actual application bandwidth is continuously higher than the **Application Bandwidth** selected when you purchased your Anti-DDoS Advanced instance, packet loss may occur. This might affect your service. We recommend adjusting your application bandwidth to avoid such occurrences.
- QPS measures the number of normal application requests per second when there are no attacks. If this number is larger than the application bandwidth you selected when you purchased your Anti-DDoS Advanced instance, we recommend that you increase the HTTP/HTTPS QPS limit promptly to avoid affecting your business due to packet loss. To adjust the application bandwidth, refer to the table above.

## Other Metrics

See the following table for descriptions of other metrics.

Metric	Limit	Description
Forwarding ports	60-500/Anti-DDoS Advanced instance	Total number of forwarding rules for TCP/UDP and HTTP/HTTPS. For TCP and UDP protocols, if the same forwarding port number is used, two different forwarding rules need to be configured.
Domain names		
Real server IPs	20/instance	Total number of IP addresses for both Layer-4 and Layer-7 real servers
New connections per second	50,000/Anti-DDoS Advanced instance	The number of new connections per second for each Anti-DDoS Advanced instance
Concurrent	200,000/Anti-DDoS	The number of concurrent connections per



connections

Advanced instance

second for each Anti-DDoS Advanced instance

The metrics above are only applicable to instances purchased on Tencent Cloud official website. If you find these limits restrictive, please [submit a ticket](#) for assistance.

## Billing Examples

The following example describes how an Anti-DDoS Advanced instance is billed using the combo billing mode.

Suppose a user purchases an Anti-DDoS Advanced instance in the Singapore region for 20 Gbps base protection bandwidth and 50 Gbps elastic protection bandwidth.

Suppose DDoS attacks occur with a peak attack bandwidth of 40 Gbps, which exceeds the base protection bandwidth and triggers elastic protection. The peak attack bandwidth falls into the billing tier between 40 Gbps and 50 Gbps. The elastic protection fee generated that day will be 800 USD.

The user will need to pay a total of 6,350 USD, of which 4,800 USD will be the monthly base protection fee, 750 USD will be the monthly fee for 50 Mbps application bandwidth, and 800 USD will be the elastic protection fee generated that day.

# Purchase Directions

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## Prerequisites

Before purchasing an Anti-DDoS Advanced instance, you need to [sign up for a Tencent Cloud account](#) and complete [identity verification](#).

## Directions

### Purchasing Anti-DDoS Advanced instance in Mainland China

1. Open the [Anti-DDoS product purchase page](#) and click **Anti-DDoS Advanced (Mainland China)**.

The screenshot displays the 'Anti-DDoS Products' page with the 'Anti-DDoS Advance (Mainland China)' tab selected. The configuration interface includes the following sections:

- Select a Line:** BGP Lines (selected), CTCC, CUCC, CMCC.
- Specifications:** Access mode: agency; Resources: one dedicated IP; Bandwidth type: multi-line BGP; Protection Capability.
- Base Protection Bandwidth:** 20Gbps (selected), 50Gbps, 100Gbps, 300Gbps.
- Elastic Protection Bandwidth:** None (selected), 30Gbps, 40Gbps, 50Gbps, 60Gbps, 70Gbps, 80Gbps, 90Gbps, 100Gbps, 150Gbps, 200Gbps, 250Gbps, 300Gbps.
- Application Bandwidth:** 100Mbps (selected), 150Mbps, 200Mbps, 500Mbps, 1000Mbps, 2000Mbps.
- Number of forwarding rules:** 60 (selected), 70, 80, 90, 100, 150, 200, 250, 300, 350, 400, 450, 500.

The 'Current configuration' summary on the right shows:

- Region: Mainland China
- Purchase Type: Anti-DDoS
- Line Resource: Multi-line BGP
- Base Protection Bandwidth: 20Gbps
- Elastic Protection Bandwidth: None
- Application Bandwidth: 100Mbps
- Number of forwarding rules: 60
- Auto Extend: No

**Total Fees: 2,500.00USD** with a 'Pay Now' button.

2. Set the parameters based on your actual needs.

- Specification Description:
  - Connection Mode: proxy mode
  - Bandwidth type: multi-line BGP
  - Resource Overview: 1 dedicated Anycast IP
  - Protection Capability: base protection + elastic protection
- Line: you can select BGP line or non-BGP (China Telecom, China Unicom, and China Mobile) line as the Anti-DDoS protective line based on your actual needs.

- Base Protection Bandwidth: it is prepaid on a monthly basis. You are recommended to select a base protection bandwidth slightly higher than the average historical attack traffic, which can prevent most attacks.
- Elastic Protection Bandwidth: it is billed by actual protection bandwidth on a daily basis. You are recommended to set the elastic protection bandwidth slightly higher than the highest historical attack traffic to defend against large traffic attacks. Elastic protection can help you keep your IPs from being blocked when the attack traffic goes over the maximum protection capability.
- Business Bandwidth: it is the bandwidth used by the business traffic forwarded to the real server after being cleansed. You can enjoy 100 Mbps business bandwidth free of charge for a single Anti-DDoS Advanced instance.
- Number of Forwarding Rules: it refers to the number of TCP/UDP ports that can be added in non-website access configuration or HTTP/HTTPS domain names that can be added in website access configuration. The number of forwarding rules of an Anti-DDoS Advanced instance is the total number of forwarding rules in the two aforementioned access methods.
- Purchase Duration: how long the instance is going to be valid. The prepaid price will be calculated based on the number of IPs, the base protection bandwidth, and the purchase duration.

3. Click **Buy Now** to complete the purchase.

## Purchasing Anti-DDoS Advanced instance Outside Mainland China

1. Open the [Anti-DDoS product purchase page](#) and click **Anti-DDoS Advanced (Outside Mainland China)**.

The screenshot displays the configuration interface for Anti-DDoS Advanced (Outside Mainland China). The page is titled 'Anti-DDoS Products' and has three tabs: 'Anti-DDoS Pro', 'Anti-DDoS Advance (Mainland China)', and 'Anti-DDoS Advance (Outside Mainland China)'. A blue banner at the top states 'No refund for this product'.

**Specifications:**

- Access mode: agency
- Resources: one dedicated Anycast IP
- Protection Capability

**Region:** Hong Kong, Macau and Taiwan (China) | Asia Pacific | East US

**Line:** Cooperation | Internal

**Base Protection Bandwidth:** 20Gbps, 30Gbps, 40Gbps, 50Gbps, 100Gbps

**Elastic Protection Bandwidth:** None, 30Gbps, 40Gbps, 50Gbps, 60Gbps, 70Gbps, 80Gbps, 90Gbps, 100Gbps, 150Gbps, 200Gbps, 250Gbps, 300Gbps, 400Gbps

**Application Bandwidth:** 50Mbps, 100Mbps, 150Mbps, 200Mbps, 500Mbps, 1000Mbps, 2000Mbps

**Number of forwarding rules:** 60, 70, 80, 90, 100, 150, 200, 250, 300, 350, 400, 450, 500

**Current configuration summary:**

Region	Hong Kong, China
Line	Cooperation
Purchase Type	Anti-DDoS
Base Protection Bandwidth	20Gbps
Elastic Protection Bandwidth	None
Application Bandwidth	50Mbps
Number of forwarding rules	60
Auto Extend	No

**Total Fees:** 5,550.00USD

**Pay Now**

2. Configure the following parameters based on your actual needs:

- Specification Description:
  - Connection Mode: proxy mode
  - Resource Overview: 1 dedicated Anycast IP
  - Protection Capability: base protection + elastic protection
- Region: Anti-DDoS Advanced uses the proxy-based forwarding method. Please select a region near the location of your real server to reduce access latency.
- Base Protection Bandwidth: it is prepaid on a monthly basis. You are recommended to select a base protection bandwidth slightly higher than the average historical attack traffic, which can prevent most attacks.
- Elastic Protection Bandwidth: it is billed by actual protection bandwidth on a daily basis. You are recommended to set the elastic protection bandwidth slightly higher than the highest historical attack traffic to defend against large traffic attacks. Elastic protection can help you keep your IPs from being blocked when the attack traffic goes over the maximum protection capability.
- Business Bandwidth: it is the bandwidth used by the business traffic forwarded to the real server after being cleansed. You can enjoy 100 Mbps business bandwidth free of charge for a single Anti-DDoS Advanced instance.
- Number of Forwarding Rules: it refers to the number of TCP/UDP ports that can be added in non-website access configuration or HTTP/HTTPS domain names that can be added in website access configuration. The number of forwarding rules of an Anti-DDoS Advanced instance is the total number of forwarding rules in the two aforementioned access methods.
- Purchase Duration: how long the instance is going to be valid. The prepaid price will be calculated based on the number of IPs, the base protection bandwidth, and the purchase duration.

3. Click **Buy Now** to complete the purchase.