



## Get Pricing

### 1. Overview

The Get Pricing endpoint provides real-time shipping costs based on the provided consignment details. It allows you to retrieve one or more pricing options from available carriers and services before committing to a shipment.

This endpoint is the recommended first step in the booking process. The response will include a detailed price breakdown, carrier and service information, and transit estimates for each available option.

### 2. Authentication

All requests to the Kamion API must be authenticated. Authentication is performed via an JWT token sent in the request header. The JWT token can be obtained via the Authentication API. The JWT has a TTL of 5 minutes.

Header	Description
Authorization: JWT_token	<b>Required.</b> Your unique secret API key.

Kamion recommends to keep your keys secure and do not expose them in client-side code.

### 3. Endpoint

Environment	Endpoint
UAT	<code>https://customer-integration-api-uat.kamion.com.au/api/pricing</code>
Production	<code>https://customer-integration-api.kamion.com.au/api/pricing</code>

### 4. Data Model

#### Request Body

The body of the POST request must be a JSON object containing the details of the potential shipment. The data model is identical to the [Create Consignment](#) request with the requirement for some fields, such as `carrierIdentifier`, changed to optional.

#### Note on `carrierIdentifier` and `carrierServiceIdentifier`:

- If `carrierIdentifier` is **omitted**, the API will return quotes for all applicable carriers.
- If `carrierIdentifier` is **provided**, the API will return a quote only for that specific carrier.
- If `carrierServiceIdentifier` is **omitted**, the API will return quotes for all applicable services for the given carrier.
- If `carrierServiceIdentifier` is **provided**, the API will return a quote only for that specific service for the given carrier.

Field	Type	Required	Description
customerCode	integer	Yes	Your unique company identifier.
carrierServiceIdentifier	string	No	The human-readable ID of the carrier service you wish to use for this consignment. If empty, the API will return all available services.
carrierIdentifier	string	No	The carrier to be used for this consignment. If empty, the API will return all available carries.
chargeAccount	string	No	The account number to be charged for this consignment.
sender	object	Yes	An object containing the sender's address and contact details. See below.
receiver	object	Yes	An object containing the receiver's address and contact details. See below.
senderAdditionalServices	object	No	An object detailing any additional services required at the pickup location.
receiverAdditionalServices	object	No	An object detailing any additional services required at the delivery location.
items	array[object]	Yes	An array of item objects being shipped. Must contain at least one item.
references	string (comma-separated)	No	A list of top-level reference numbers for the consignment (e.g., PO Number).
deliveryInstructions	string	No	Special instructions for the driver at the delivery location.
pickupInstructions	string	No	Special instructions for the driver at the pickup location. Only use if applicable.

consignmentDeliveryType	integer	No	The type of delivery service required (e.g., 1 for Outbound, 2 for Return and 3 for 3rd Party).
loscamPallet	object	No	Details for Loscam pallets. See Pallet Object below.
chepPallet	object	No	Details for Chep pallets. See Pallet Object below.
otherPallet	object	No	Details for other pallet types. See Pallet Object below.
despatchDate	string (ISO 8601)	Yes	The expected date and time of despatch in UTC format (e.g., 2025-07-08T09:00:00Z). Must be in the future.

---

#### Sender / Receiver Address Object

Field	Type	Required	Description
addressLine1	string	No	The primary street address.
addressLine2	string	No	Additional address information (e.g., suite, level).
suburb	string	Yes	The suburb name.
state	string	Yes	The state or province abbreviation (e.g., "VIC", "NSW").
postcode	string	Yes	The postal code.
contactFirstName	string	No	The name of the primary contact person at this location.
contactLastName	string	No	The Last Name of the primary contact person at this location.
contactPhone	string	No	The phone number for the contact person.
contactEmail	string	No	The email address for the contact person.

---

#### Additional Services Object

Field	Type	Required	Description
isResidentialAddress	boolean	No	true if the location is a residential address.
isHandUnload	boolean	No	true if manual unloading by the driver is required.
hasAuthorityToLeave	boolean	No	true if the driver has authority to leave the goods if unattended. Not applicable to senders.
isTailGate	boolean	No	true if a truck with a tailgate lift is required.
isTimeslot	boolean	No	true if delivery or pickup requires a specific time slot.

#### Item Object

Field	Type	Required	Description
itemName	string	No	A description of the item.
quantity	integer	Yes	The number of units for this item line. Must be greater than 1.
sku	string	No	The Stock Keeping Unit or product code.
height	number	Yes	The height of a single unit in millimetres (mm).
length	number	Yes	The length of a single unit in millimetres (mm).
width	number	Yes	The width of a single unit in millimetres (mm).
weight	number	Yes	The weight of a single unit in kilograms (kg).
isDangerousGood	boolean	No	true if the item is classified as a dangerous good.
unitOfMeasure	string	Yes	The type of unit (Bag, Carton, Drum, Envelop, Item, Jiffy, Pallet, Satchel, Skid).
palletSpace	integer	No	The number of pallet spaces required. This is only applicable if required by the customer.

references	string	No	Additional information specific to this item line.
------------	--------	----	--

#### Pallet Object

Field	Type	Required	Description
trade	integer	No	The number of pallets to be traded.
exchange	integer	No	The number of pallets to be exchanged.

#### Response Body

A successful request will return a 200 OK status and a JSON body containing an array of Quote objects. Each object represents a single pricing option from a carrier service.

#### Quote Object

Field	Type	Description
totalPrice	number (rounded to 2 decimal places)	The final, all-inclusive price for this shipping option.
transitTime	number	The estimated transit time in days.
carrierIdentifier	string	The carrier offering the service.
carrierServiceIdentifier	string	The service offered.
addressFrom	string	The suburb name, state name and postcode of the origin.
addressTo	string	The suburb name, state name and postcode of the destination.
priceBreakdown	array[object]	A detailed list of all charges that make up the total price. See below.
chargeIdentifier	string	A unique identifier for the quote.

#### Price Breakdown Object

Field	Type	Description
-------	------	-------------

chargeType	string	The name of the charge (e.g., "Base Freight", "Fuel Levy Surcharge").
chargeAmount	number	The value of the charge in your local currency.
chargePercentage	number	The charge as a percentage of the base freight cost, where applicable.

## 5. Example Request and Response

### Example Request (cURL)

*(This request omits carrierIdentifier and carrierServiceIdentifier to get quotes from all available carriers and services.)*

```

1 curl -X 'POST' \
2   'https://customer-integration-api-uat.kamion.com.au/api/pricing' \
3   -H 'accept: application/json' \
4   -H 'Authorization: eyJraWQiOiJkdzd...' \
5   -H 'Content-Type: application/json' \
6   -d '{
7     "customerCode": "WCOTEST",
8     "sender": {
9       "postcode": "3175",
10      "suburb": "Dandenong",
11      "state": "VIC"
12    },
13    "receiver": {
14      "postcode": "3197",
15      "suburb": "PATTERSON LAKES",
16      "state": "VIC"
17    },
18    "items": [
19      {
20        "itemName": "",
21        "quantity": 1,
22        "sku": "",
23        "height": 122,
24        "length": 111,
25        "width": 222,
26        "weight": 2,
27        "isDangerousGood": false,
28        "isActive": true,
29        "unitOfMeasure": "Satchel",
30        "references": [
31          ""
32        ]
33      }
34    ],
35    "despatchDate": "2025-07-18T04:17:15.555Z"
36  }'
```

## Example Success Response

Status: 200 OK

```

1  [
2    {
3      "carrierIdentifier": "ABC",
4      "carrierServiceIdentifier": "XP",
5      "addressFrom": "DANDENONG, VIC, 3175",
6      "addressTo": "PATTERSON LAKES, VIC, 3197",
7      "transitTime": 0,
8      "totalPrice": 49,
9      "chargeIdentifier": "MTI4XzE2M182Mzc3X19DUeTS",
10     "priceBreakdown": [
11       {
12         "chargeType": "Freight Price",
13         "chargeAmount": 20,
14         "chargePercentage": 0
15       },
16       {
17         "chargeType": "Fuel Levy",
18         "chargeAmount": 4,
19         "chargePercentage": 20
20       },
21       {
22         "chargeType": "Remote Delivery",
23         "chargeAmount": 25,
24         "chargePercentage": 0
25       }
26     ]
27   },
28   {
29     "carrierIdentifier": "ABC",
30     "carrierServiceIdentifier": "G",
31     "addressFrom": "DANDENONG, VIC, 3175",
32     "addressTo": "PATTERSON LAKES, VIC, 3197",
33     "transitTime": 0,
34     "totalPrice": 88.11,
35     "chargeIdentifier": "MTI4XzE2NF82Mzc4XzhfQ1BLUg==",
36     "priceBreakdown": [
37       {
38         "chargeType": "Freight Price",
39         "chargeAmount": 52.59,
40         "chargePercentage": 0
41       },
42       {
43         "chargeType": "Fuel Levy",
44         "chargeAmount": 10.52,
45         "chargePercentage": 20
46       },
47       {
48         "chargeType": "Remote Delivery",
49         "chargeAmount": 25,
50         "chargePercentage": 0
51       }
52     ]
53   }
54 ]

```

## 6. Error Handling

When an API call fails, the response body will contain a JSON object with details about the error.

### Error Response Format

```

1 {
2   "type": "https://tools.ietf.org/html/rfc9110#section-15.5.1",
3   "title": "One or more validation errors occurred.",
4   "status": 400,
5   "errors": {
6     "CustomerCode": [
7       "Customer code is required."
8     ],
9     "Items[0].Quantity": [
10      "Quantity must be less than or equal 200."
11    ]
12  }
13 }

```

## 7. Status Codes

Code	Meaning	Description
200	OK	The request was successful and quote(s) have been returned.
400	Bad Request	The request was malformed, or failed validation (e.g., missing a required field).
401	Unauthorised	The API key is missing, invalid, or expired.
403	Forbidden	The API key is valid but does not have permission for this action.
429	Too Many Requests	You have exceeded the rate limit. See the Retry-After header.
500	Internal Server Error	A generic error occurred on our end. Please contact support.

## 8. Rate Limits

To ensure system stability, this endpoint is rate-limited. The current limits are:

- **12 requests per minute** per JWT.

If you exceed this limit, you will receive a 429 Too many Requests response. The Retry-After header will indicate how many seconds to wait before making a new request.

## 9. Development / Testing Tools

The following tools are available, without warranty, for development and testing purposes.

Tool	
UAT - Swagger	
GUI Quote JSON Generator	 CreateConsig... nt.html 11 Jul 2025, 12:02 am

## 10. Terms of Use

- This API is provided for use by authorised customers and partners only.
- By using this API, you agree to our full [Terms of Service](#).
- Misuse of the API, including attempting to circumvent rate limits or security, may result in the revocation of your API key.

## Changelog

- **2023-12-01 - v1.0.0**
  - **NEW:** Initial release of the Generate Quote API.