

# Amazon SP-API Complete Field Mapping Reference

Amazon's Selling Partner API provides access to 8 major endpoint categories with distinct field schemas, validation rules, and access permissions. This comprehensive reference documents every available field across Catalog, Listings, Pricing, Inventory, Media, A+ Content, Orders, and Reports APIs—with specific attention to the German marketplace (A1PA6795UKMFR9) and EU requirements.

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## Catalog Items API v2022-04-01

The Catalog Items API retrieves read-only product catalog data with **5 requests/second** rate limits. [amazon](#)  
Two primary operations exist: `searchCatalogItems` (max 20 identifiers or keywords per request) and `getCatalogItem` (single ASIN lookup).

### includedData parameter values

Value	Description	Access Level
<code>summaries</code>	Title, brand, manufacturer, classification (default)	All sellers
<code>attributes</code>	Full product attributes as JSON	Brand owners only
<code>classifications</code>	Browse nodes with hierarchy	All
<code>dimensions</code>	Item and package dimensions/weight	All
<code>identifiers</code>	UPC, EAN, ISBN, GTIN codes	All
<code>images</code>	Product images with variants	All (MAIN only); Brand owners (all)
<code>productTypes</code>	Product type classification	All
<code>relationships</code>	Variation parent/child data	All
<code>salesRanks</code>	Category sales rankings	All
<code>vendorDetails</code>	Brand codes, replenishment	Vendors only

### Core response fields

The **summaries** object contains the most commonly needed catalog data:

Field	Type	Description
asin	string	Amazon Standard Identification Number
itemName	string	Product title
brand	string	Brand name
manufacturer	string	Manufacturer name
modelNumber	string	Model number
color	string	Color variant
size	string	Size variant
itemClassification	enum	(BASE_PRODUCT), (VARIATION_PARENT), (PRODUCT_BUNDLE), (OTHER)
releaseDate	date	Product release date (YYYY-MM-DD)
packageQuantity	integer	Units per package
adultProduct	boolean	Adult content flag
tradeInEligible	boolean	Trade-in program eligibility

## Identifier types supported

Search by (ASIN), (EAN), (GTIN), (ISBN), (JAN), (MINSAN), (SKU) (requires sellerId), or (UPC). (amazon) For EU markets, **EAN is most common**.

## Image variants returned

Variant Code	Description
MAIN	Primary product image
PT01 - PT08	Additional product images
SWCH	Swatch/color selection image

## Listings Items API v2021-08-01

The Listings API enables **create, read, update, and delete** operations on product listings. (Amazon +2) Rate limit: **5 requests/second**.

### Request structure for putListingsItem

```

json

{
  "productType": "SHIRT",
  "requirements": "LISTING",
  "attributes": { /* Product Type Definition schema */ }
}

```

The `requirements` parameter accepts `LISTING` (full), `LISTING_PRODUCT_ONLY` (product facts), or `LISTING_OFFER_ONLY` (offer on existing ASIN).

## Product identity attributes

Attribute	Type	Max Length	Required	Writability
<code>item_name</code>	string	200 chars (up to 500 by category)	Yes	Create & Update
<code>brand</code>	string	-	Yes	<b>Create only</b>
<code>manufacturer</code>	string	-	Category-dependent	Create & Update
<code>model_number</code>	string	-	No	Create & Update
<code>product_description</code>	string	2000 chars	Most categories	Create & Update

## Multi-language field structure

All localized text fields follow this pattern:

json
<pre>{   "item_name": [     {       "value": "Produktnname",       "language_tag": "de_DE",       "marketplace_id": "A1PA6795UKMFR9"     }   ] }</pre>

**EU language tags:** `de_DE` (Germany), `fr_FR` (France), `it_IT` (Italy), `es_ES` (Spain), `nl_NL` (Netherlands), `pl_PL` (Poland), `sv_SE` (Sweden).

## Bullet points specification

Property	Sellers	Vendors
Max items	5	10
Max length per bullet	500 chars	250-255 chars
Recommended	150-200 chars	150-200 chars

## Image field names

Field	Purpose
<code>main_product_image_locator</code>	Primary product image (required)
<code>other_product_image_locator_1</code> through <code>_8</code>	Additional images
<code>swatch_product_image_locator</code>	Color/variant swatch
<code>main_offer_image_locator</code>	Offer-specific main
<code>other_offer_image_locator_1</code> through <code>_5</code>	Offer-specific additional

Images must be **HTTPS URLs** or **S3 URIs** (require IAM role grant to [arn:aws:iam::368641386589:role/Media-Download-Role](#)). [Amazon](#)

## Variation/parent-child fields

```
json

{
  "parentage_level": [{"value": "parent"}],
  "variation_theme": [{"name": "SIZE/COLOR"}],
  "child_parent_sku_relationship": [
    {
      "child_relationship_type": "variation",
      "parent_sku": "PARENT-SKU-123"
    }
  ]
}
```

## Pricing and inventory fields

### purchasable\_offer structure:

```
json

{
  "currency": "EUR",
  "marketplace_id": "A1PA6795UKMFR9",
  "our_price": [{"schedule": [{"value_with_tax": 29.99}]}],
  "discounted_price": [{"schedule": [{"value_with_tax": 24.99, "start_at": "2025-01-01", "end_at": "2025-01-31"}]}]
}
```

### fulfillment\_availability structure:

```
json

{
  "fulfillment_channel_code": "DEFAULT",
  "quantity": 100,
  "lead_time_to_ship_max_days": 3
}
```

Fulfillment codes: [DEFAULT](#) (MFN), [AMAZON\\_EU](#) (FBA Europe), [AMAZON\\_NA](#), [AMAZON\\_JP](#). [amazon](#)

## Create-only vs updateable fields

Field Category	Create-Only	Updateable
Brand	✓	✗
Product Type	✓	✗
GTIN/UPC/EAN	✓	✗

Field Category	Create-Only	Updateable
Title, bullets, description		<input checked="" type="checkbox"/>
Images, price, quantity		<input checked="" type="checkbox"/>

## EU compliance fields

Field	Purpose
<code>supplier_declared_dg_hz_regulation</code>	Dangerous goods declaration
<code>country_of_origin</code>	ISO 3166-1 alpha-2 code
<code>batteries_required</code>	Battery indicator
<code>is_lithium_battery</code>	Lithium battery flag

**WEEE registration and EPR compliance** require upload through Seller Central's EPR Compliance Portal—  
not available via API.

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## Product Pricing API v2022-05-01

The Pricing API provides competitive intelligence with **0.033 requests/second** rate limit (batch endpoints).

[amazon](#)

### getCompetitiveSummary fields

Request `includedData` options: `featuredBuyingOptions`, `lowestPricedOffers`, `referencePrices`.

#### Featured Buying Options (Buy Box data):

Field	Type	Description
<code>buyingOptionType</code>	enum	NEW, USED, COLLECTIBLE, REFURBISHED
<code>segmentedFeaturedOffers[].customerMembership</code>	enum	PRIME, NON_PRIME, DEFAULT
<code>segmentedFeaturedOffers[].glanceViewPercentage</code>	number	Page view percentage (0-100)
<code>segmentedFeaturedOffers[].fulfillmentType</code>	enum	AFN (FBA) or MFN (FBM)
<code>segmentedFeaturedOffers[].sellerId</code>	string	Seller identifier
<code>segmentedFeaturedOffers[].condition</code>	enum	Detailed condition

#### Price object structure:

Field	Type	Description
listingPrice.amount	decimal	Product price (excludes shipping)
listingPrice.currencyCode	string	ISO 4217 (EUR, GBP, USD)
shippingPrice.amount	decimal	Shipping cost
landedPrice.amount	decimal	Total customer price
points.pointsNumber	integer	Amazon Points (primarily JP)

**Lowest Priced Offers** returns top 20 offers ([Amazon](#)) with:

Field	Description
feedbackCount	Seller feedback ratings count
feedbackRating	Seller feedback percentage
isFeaturedOffer	Featured offer status
isBuyBoxWinner	Current Buy Box winner
isFulfilledByAmazon	FBA indicator
primeInformation.isPrime	Prime eligibility

**Reference Prices** available:

Name	Description
CompetitivePrice	Lowest external retailer price
WasPrice	90-day median customer price
msrpPrice	Manufacturer's suggested price
retailOfferPrice	Amazon's price (last 14 days)

## getFeaturedOfferExpectedPriceBatch

Returns target price recommendations for Buy Box eligibility:

Field	Description
featuredOfferExpectedPrice.listingPrice	Recommended price for Buy Box
competingFeaturedOffer	Current competitor's winning offer
resultStatus	VALID_FOEP, NO_COMPETING_OFFER, ASIN_NOT_ELIGIBLE

## Competitor data limitations

Sellers **CAN** see: lowest prices, feedback ratings, fulfillment type, Prime status, Featured Offer status.

Sellers **CANNOT** see: competitor inventory levels, sales velocity, repricing strategies, historical win rates.

# FBA Inventory API v1

The `getInventorySummaries` endpoint retrieves FBA inventory data at **2 requests/second**. (Spapi) All data is **read-only**.

## Core inventory fields

Field	Type	Description
<code>asin</code>	string	Amazon Standard Identification Number
<code>fnSku</code>	string	Fulfillment Network SKU
<code>sellerSku</code>	string	Seller's Stock Keeping Unit
<code>condition</code>	string	NewItem, UsedLikeNew, etc.
<code>productName</code>	string	Localized product title
<code>totalQuantity</code>	integer	Total units in FC or inbound
<code>lastUpdatedTime</code>	datetime	Last inventory update

## inventoryDetails breakdown (details=true)

Field	Description
<code>fillableQuantity</code>	Available for pick/pack/ship
<code>inboundWorkingQuantity</code>	Shipments being prepared
<code>inboundShippedQuantity</code>	In transit to FC
<code>inboundReceivingQuantity</code>	At FC being processed

## reservedQuantity breakdown

Field	Description
<code>totalReservedQuantity</code>	Total reserved units
<code>pendingCustomerOrderQuantity</code>	Reserved for pending orders
<code>pendingTransshipmentQuantity</code>	Being transferred between FCs
<code>fcProcessingQuantity</code>	Sidelined for measurement/sampling

## unfulfillableQuantity breakdown

Field	Description
<code>customerDamagedQuantity</code>	Damaged by customer returns
<code>warehouseDamagedQuantity</code>	Damaged at Amazon warehouse
<code>carrierDamagedQuantity</code>	Damaged in transit
<code>defectiveQuantity</code>	Identified as defective
<code>expiredQuantity</code>	Past expiration date

## researchingQuantity breakdown

Field	Description
researchingQuantityInShortTerm	Short-term research
researchingQuantityInMidTerm	Medium-term research
researchingQuantityInLongTerm	Long-term research

**FBA fee data** is NOT available via this API—use Product Fees API ([getMyFeesEstimateForSKU](#)) or Reports API ([GET\\_FBA\\_ESTIMATED\\_FBA\\_FEES\\_TXT\\_DATA](#)).

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## Images and Media

### Upload methods

**Primary method:** Listings Items API with hosted image URLs (HTTPS or S3). Amazon downloads images from your specified URLs.

**A+ Content images:** Use Uploads API ([createUploadDestinationForResource](#)) to get pre-signed S3 URL, upload binary data, then reference [uploadDestinationId](#). [Amazon](#)

**Video uploads:** Not supported via SP-API—manual upload through Seller Central required.

**360-degree images:** Discontinued (November 2023). Convert to video or GLB 3D models.

### Image technical specifications

Requirement	Standard Product Images
Minimum size	500px (1000px for zoom, 1600px recommended)
Maximum size	10,000px
File formats	JPEG (preferred), PNG, TIFF, GIF (non-animated)
File size	Under 10MB (2MB recommended)
Color mode	sRGB (preferred) or CMYK
DPI	Minimum 72

### Main image requirements

- Background:** Pure white (RGB 255,255,255 /
- Product fill:** Must fill 85%+ of frame
- Content:** Product only—no text, logos, watermarks, borders
- Completeness:** Full product visible (not cropped) [Easychannel](#) [ESQGo, PC](#)

## A+ Content image dimensions

Module Type	Dimensions
Company Logo	600 × 180 px
Header Image Text	970 × 600 px
Image Text Overlay	970 × 300 px
Four Image Text	220 × 200 px each
Four Image Quadrant	135 × 135 px each
Three Image Text	300 × 300 px each
Comparison Table	150 × 300 px per product

## A+ Content API v2020-11-01

Creates enhanced brand content with **10 requests/second** rate limit. [Amazon](#) [amazon](#)

### Standard A+ module types (14 available)

Module Type	API Field	Key Limits
<code>STANDARD_COMPANY_LOGO</code>	<code>standardCompanyLogo</code>	600×180 px image
<code>STANDARD_COMPARISON_TABLE</code>	<code>standardComparisonTable</code>	1-6 products
<code>STANDARD_FOUR_IMAGE_TEXT</code>	<code>standardFourImageText</code>	4 blocks, 220×200 px
<code>STANDARD_HEADER_IMAGE_TEXT</code>	<code>standardHeaderImageText</code>	970×600 px, 6000 char body
<code>STANDARD_IMAGE_TEXT_OVERLAY</code>	<code>standardImageTextOverlay</code>	970×300 px, 300 char body
<code>STANDARD_TECH_SPECS</code>	<code>standardTechSpecs</code>	4-16 specifications
<code>STANDARD_TEXT</code>	<code>standardText</code>	5000 char body
<code>STANDARD_THREE_IMAGE_TEXT</code>	<code>standardThreeImageText</code>	3 blocks, 300×300 px

### Character limits per module

Module	Headline	Body
Header Image Text	150 chars	6000 chars
Four Image Text	200 chars (module), 160 (block)	1000 chars/block
Image Text Overlay	70 chars	300 chars
Tech Specs	80 chars	500 chars/spec
Text	160 chars	5000 chars <a href="#">amazon</a>

## Premium A+ Content differences

Feature	Basic A+	Premium A+
Videos	✗	<input checked="" type="checkbox"/> Full video support
Interactive elements	✗	Hotspots, carousels, Q&A
Mobile optimization	Standard	Dedicated mobile assets
Image sizes	Standard	Larger, full-width (1464×600)
Eligibility	Brand Registry	Brand Story + 5 approved projects

## Content restrictions

**Prohibited:** Pricing/promotional details, customer reviews, competitor references, contact information, QR codes, unsubstantiated claims, off-Amazon references, HTML tags. [Amazon Kindle Direct Publishing](#)

## Text decorator system

```
json

{
  "value": "Bold text here",
  "decoratorSet": [
    {
      "type": "STYLE_BOLD",
      "offset": 0,
      "length": 14,
      "depth": 0
    }
  ]
}
```

Decorator types: [STYLE\\_BOLD](#), [STYLE\\_ITALIC](#), [STYLE\\_UNDERLINE](#), [LIST\\_ORDERED](#), [LIST\\_UNORDERED](#), [LIST\\_ITEM](#).

## Orders API v0

The Orders API retrieves order data [Amazon](#) at **0.0167 requests/second** (burst: 20). All data is **read-only**.

### Order object fields

Field	Type	Description
<a href="#">AmazonOrderId</a>	string	3-7-7 format identifier
<a href="#">PurchaseDate</a>	datetime	Order creation timestamp
<a href="#">LastUpdateDate</a>	datetime	Last modification
<a href="#">OrderStatus</a>	enum	Pending, Unshipped, Shipped, etc.
<a href="#">FulfillmentChannel</a>	enum	AFN (FBA) or MFN

Field	Type	Description
OrderTotal	Money	Total order value
NumberOfItemsShipped	integer	Items shipped count
NumberOfItemsUnshipped	integer	Items pending count

## OrderStatus values

Status	Description
PendingAvailability	Pre-order awaiting release
Pending	Awaiting payment authorization
Unshipped	Ready for shipment
PartiallyShipped	Some items shipped
Shipped	All items shipped
Canceled	Order canceled

## Boolean indicator fields

Field	Description
IsBusinessOrder	Amazon Business buyer
IsPrime	Seller-fulfilled Prime
IsReplacementOrder	Replacement for previous order
IsAccessPointOrder	Delivery to Amazon Hub
HasRegulatedItems	Contains regulated items

## Order item fields

Field	Type	Description
ASIN	string	Product ASIN <a href="#">Go Packages</a>
SellerSKU	string	Seller's SKU
OrderItemId	string	Unique item identifier
QuantityOrdered	integer	Units ordered
QuantityShipped	integer	Units shipped
ItemPrice	Money	Item subtotal
ItemTax	Money	Tax on item
PromotionDiscount	Money	Promotion discount
ConditionId	string	New, Used, etc.

## PII fields requiring Restricted Data Token

Operation	RDT dataElements
getOrderAddress	shippingAddress
getOrderBuyerInfo	buyerInfo
getOrder (with PII)	buyerInfo, shippingAddress, buyerTaxInformation

**Restricted fields:** BuyerEmail, BuyerName, BuyerTaxInfo, full ShippingAddress with phone.

## EU-specific order fields

Field	Description
IossNumber	Import One-Stop Shop VAT ID (EU imports)
DeemedResellerCategory	IOSS, UOSS, or marketplace-specific codes
BuyerTaxInformation	Business tax details (TR marketplace)

## RDT request example

```
json

POST /tokens/2021-03-01/restrictedDataToken
{
  "restrictedResources": [
    {
      "method": "GET",
      "path": "/orders/v0/orders/{orderId}",
      "dataElements": ["buyerInfo", "shippingAddress"]
    }
  ]
}
```

RDT expires after 1 hour.

## Reports API v2021-06-30

Creates and retrieves report documents via asynchronous processing. [Amazon](#)

### Key inventory reports

Report Type	Format	Key Fields
GET_FBA_MYI_UNSUPPRESSED_INVENTORY_DATA	TSV	sku, fnSKU, ASIN, AFN-FULFILLABLE-QUANTITY, AFN-RESERVED-QUANTITY, AFN-INBOUND-* QUANTITIES
GET_MERCHANT_LISTINGS_ALL_DATA	TSV	ITEM-NAME, SELLER-SKU, PRICE, QUANTITY, ASIN, STATUS, FULFILLMENT-CHANNEL
GET_FLAT_FILE_OPEN_LISTINGS_DATA	TSV	SKU, ASIN, PRICE, QUANTITY <a href="#">Amazon</a>

## Key order reports

Report Type	Format	Key Fields
<code>GET_FLAT_FILE_ALL_ORDERS_DATA_BY_ORDER_DATE_GENERAL</code>	TSV	amazon-order-id, purchase-date, order-status, sku, quantity, item-price, ship-address fields
<code>GET_FLAT_FILE_ACTIONABLE_ORDER_DATA_SHIPPING</code>	TSV	<b>Requires RDT</b> - includes buyer-email, buyer-phone-number, recipient-name <code>(Amazon)</code>
<code>GET_XML_ALL_ORDERS_DATA_BY_ORDER_DATE_GENERAL</code>	XML	Full order structure with FulfillmentData

## Key FBA reports

Report Type	Purpose
<code>GET_FBA_INVENTORY_PLANNING_DATA</code>	Inventory health, age, LTSF projections
<code>GET_FBA_FULFILLMENT_INVENTORY_ADJUSTMENTS_DATA</code>	Inventory adjustments by reason
<code>GET_LEDGER_SUMMARY_VIEW_DATA</code>	End-to-end inventory reconciliation
<code>GET_FBA_STORAGE_FEE_CHARGES_DATA</code>	Monthly storage fees
<code>GET_FBA_ESTIMATED_FBA_FEES_TXT_DATA</code>	Fee preview per SKU

## Key financial reports

Report Type	Purpose
<code>GET_V2_SETTLEMENT_REPORT_DATA_FLAT_FILE</code>	Settlement transactions (auto-generated)
<code>GET_DATE_RANGE_FINANCIAL_TRANSACTION_DATA</code>	Financial transactions by date

## Schedule periods (ISO 8601)

`PT5M` (5 min), `PT15M`, `PT30M`, `PT1H`, `PT2H`, `PT4H`, `PT8H`, `PT12H`, `P1D`, `P2D`, `P3D`, `P1W`, `P2W`, `P1M`

## Report request example

json
------

```

POST /reports/2021-06-30/reports
{
  "reportType": "GET_FBA_MYI_UNSUPPRESSED_INVENTORY_DATA",
  "marketplaceIds": ["A1PA6795UKMFR9"],
  "dataStartTime": "2024-01-01T00:00:00Z",
  "dataEndTime": "2024-12-31T23:59:59Z"
}

```

## Rate limits summary

API	Operation	Rate	Burst
Catalog Items	searchCatalogItems, getCatalogItem	5/sec	5
Listings Items	putListingsItem, patchListingsItem	5/sec	5-10
Product Pricing	getCompetitiveSummary, FOEP	0.033/sec	1
FBA Inventory	getInventorySummaries	2/sec <span style="border: 1px solid #ccc; border-radius: 50%; padding: 2px;">amazon</span>	2
A+ Content	All operations	10/sec	10
Orders	getOrders, getOrder	0.0167/sec	20
Orders	getOrderItems	0.5/sec	30
Reports	createReport	0.0167/sec	15
Uploads	createUploadDestination	10/sec	10

## German marketplace specifications

**Marketplace ID:** A1PA6795UKMFR9 amazon Spapi

**API Endpoint:** sellingpartnerapi-eu.amazon.com

**Currency:** EUR

**Language Tag:** de\_DE Amazon

**Locale:** de-DE (A+ Content)

## EU-specific compliance requirements

- **WEEE:** Upload via Seller Central EPR Compliance Portal
- **CE Marking:** Product/packaging must show CE mark with Responsible Person contact
- **Energy Labels:** Use image\_locator\_eegl (energy efficiency) and image\_locator\_pfde (product fiche) amazon
- **IOSS:** Required for non-EU sellers shipping consignments ≤€150

## Pan-European FBA inventory tracking

Via Reports API, access fields:

- `afn-fulfillable-quantity-local` (local FC inventory)
  - `afn-fulfillable-quantity-remote` (non-local FC via EFN) ([Amazon](#))
- 

## Critical implementation notes

1. **Product Type Definitions API:** Always retrieve current JSON schemas before creating listings—schemas are dynamic and marketplace-specific. ([Amazon](#))
2. **PUT vs PATCH behavior:** `putListingsItem` replaces ALL attributes (omitted attributes are deleted); `patchListingsItem` updates only specified attributes. ([Amazon](#))
3. **Data types matter:** `quantity` must be integer (not string), `value_with_tax` must be number (not string). ([Stack Overflow](#))
4. **Unit names:** Use full names (`"kilograms"`, `"centimeters"`) not abbreviations. ([Amazon](#))
5. **Image URLs are immutable:** For S3 URLs, changing content requires new object key.
6. **Pending order limitations:** `getOrderItems` returns empty pricing/tax data for orders in Pending status. ([Amazon](#))
7. **RDT requirement:** Since August 31, 2023, all PII access requires Restricted Data Token—LWA tokens no longer return PII.
8. **Settlement reports:** Cannot be created via API—automatically generated by Amazon and retrieved via `getReports`. ([Stack Overflow](#))
9. **XML/flat file image feeds deprecated:** July 31, 2025—migrate to JSON\_LISTINGS\_FEED or Listings Items API.
10. **Notifications integration:** Use `REPORT_PROCESSING_FINISHED`, `LISTINGS_ITEM_STATUS_CHANGE`, and `ANY_OFFER_CHANGED` notifications instead of polling.