

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.

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
summaries	Title, brand, manufacturer, classification (default)	All sellers
attributes	Full product attributes as JSON	Brand owners only
classifications	Browse nodes with hierarchy	All
dimensions	Item and package dimensions/weight	All
identifiers	UPC, EAN, ISBN, GTIN codes	All
images	Product images with variants	All (MAIN only); Brand owners (all)
productTypes	Product type classification	All
relationships	Variation parent/child data	All
salesRanks	Category sales rankings	All
vendorDetails	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
modelName	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	Create only
<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
{
  "item_name": [{
    "value": "Produktname",
    "language_tag": "de_DE",
    "marketplace_id": "A1PA6795UKMFR9"
  }]
}
```

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		✓
Images, price, quantity		✓

EU compliance fields

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

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

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

Price object structure:

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

Lowest Priced Offers returns top 20 offers (`Amazon`) with:

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

Reference Prices available:

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

getFeaturedOfferExpectedPriceBatch

Returns target price recommendations for Buy Box eligibility:

Field	Description
<code>featuredOfferExpectedPrice.listingPrice</code>	Recommended price for Buy Box
<code>competingFeaturedOffer</code>	Current competitor's winning offer
<code>resultStatus</code>	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>fulfillableQuantity</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).

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 / (#FFFFFF))
- 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
STANDARD_COMPANY_LOGO	standardCompanyLogo	600×180 px image
STANDARD_COMPARISON_TABLE	standardComparisonTable	1-6 products
STANDARD_FOUR_IMAGE_TEXT	standardFourImageText	4 blocks, 220×200 px
STANDARD_HEADER_IMAGE_TEXT	standardHeaderImageText	970×600 px, 6000 char body
STANDARD_IMAGE_TEXT_OVERLAY	standardImageTextOverlay	970×300 px, 300 char body
STANDARD_TECH_SPECS	standardTechSpecs	4-16 specifications
STANDARD_TEXT	standardText	5000 char body
STANDARD_THREE_IMAGE_TEXT	standardThreeImageText	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 amazon

Premium A+ Content differences

Feature	Basic A+	Premium A+
Videos	✗	✔ 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
AmazonOrderId	string	3-7-7 format identifier
PurchaseDate	datetime	Order creation timestamp
LastUpdateDate	datetime	Last modification
OrderStatus	enum	Pending, Unshipped, Shipped, etc.
FulfillmentChannel	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 Go Packages
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 Amazon

Key order reports

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

Key FBA reports

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

Key financial reports

Report Type	Purpose
GET_V2_SETTLEMENT_REPORT_DATA_FLAT_FILE	Settlement transactions (auto-generated)
GET_DATE_RANGE_FINANCIAL_TRANSACTION_DATA	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 amazon	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.