

IMCEE-XML 2.0

Technical documentation

Ingram Micro Central Eastern Europe

Table of Contents

Introduction	4
Description	4
The transactions available through IMCEE-XML	4
Elements/Attributes explanation	5
Further information about IMCEE-XML	6
Support procedure	7
Request/Response headers	7
Method PnA (Price and Availability).....	9
Description	9
PNAResponse message example	9
PNAResponse elements/attributes description	9
PNAResponse message example	9
PNAResponse elements/attributes description.....	10
Method ProductDetails	11
Description	11
ProductDetailsRequest message example	12
ProductDetailsRequest elements/attributes description	12
ProductDetailsResponse message example.....	12
ProductDetailsResponse elements/attributes description	13
Method Order	16
Description	16
High-level description of Ingram Micro's order cycle:	16
OrderRequest message example	16
OrderRequest elements/attributes description	17
OrderResponse message example.....	18
OrderResponse elements/attributes description	19
Method OrdersList.....	21
Description	21
OrdersListRequest message example	21
OrdersListRequest elements/attributes description.....	21
OrdersListResponse message example	21
OrdersListResponse elements/attributes description	22
Method OrderDetails.....	24
Description	24
OrderDetailsRequest message example.....	24
OrderDetailsRequest elements/attributes description	24
OrderDetailsResponse message example	24
OrderDetailsResponse elements/attributes description	26

Method InvoicesList.....	28
Description	28
InvoicesListRequest message example	28
InvoicesListRequest elements/attributes description	28
InvoicesListResponse message example	28
InvoicesListResponse elements/attributes description.....	29
Method InvoiceDetails.....	30
Description	30
InvoiceDetailsRequest message example	30
InvoiceDetailsRequest elements/attributes description	30
InvoiceDetailsResponse message example	30
InvoiceDetailsResponse elements/attributes description.....	31
Method DeliveryAddressesList.....	33
Description	33
DeliveryAddressesListRequest message example.....	33
DeliveryAddressesListRequest elements/attributes Description	33
DeliveryAddressesListResponse message example	33
DeliveryAddressesListResponse elements/attributes description	34

Introduction

Description

IMCEE-XML is Ingram Micro's XML ecommerce solution that uses cutting edge technology allowing business process and system integration with our trading partners. It is a solution designed to meet and exceed our Trading Partners requirements.

Put simply, IMCEE-XML will deliver *cost reduction* and *process improvement* of day-to-day business activity with our Trading Partners.

IMCEE-XML is *easier, quicker* and *cheaper* to implement than other integrated solutions such as EDI. This will cut down the development time and will allow Ingram Micro and its Trading Partners to integrate their systems more quickly. Integrated systems bring obvious benefits such as less phone calls for price and availability checks and order placement. It allows the Trading Partner to manage their own business activity with less reliance on Ingram Micro sales representatives to manage their account.

IMCEE-XML allows *seamless integration* of the order process from the Trading Partner to Ingram Micro. Trading partners can empower their purchasing team to have instant access to Ingram Micro's inventory and can also be used to provide a similar 'virtual warehouse' scenario to an end-user website. Data and process flows can be incorporated into a Trading Partners financial and ordering system, desktop applications and more.

IMCEE-XML provides functionality that is divided into distinctive transactions that have been designed to allow business process flexibility, optimum performance and to limit the amount of redundant data. Each transaction can be uniquely applied to certain key areas of the order management process and can be combined to provide a wealth of information.

IMCEE-XML is a *real-time system*, which means that transactions are processed within seconds and provide accurate data directly from Ingram Micro 24 system. Trading Partners can use the power of IMCEE-XML to deliver fast and accurate data internally to their purchasing team and to their customers. High quality, high accuracy and high-speed data allows business decisions to be made with confidence.

The transactions available through IMCEE-XML

Price & Availability (P&A) – Up to 50 Ingram Micro SKU's Price and Availability information can be queried in a single IMCEE-XML transaction.

Product Details – You can retrieve product details such as basic product information (Part Number, EAN, Product Description, Warranty, etc.), as well detailed product parameters, images, related products, etc. (Please note that availability of detailed product parameters is subject to certain agreements.)

Order Entry – This is the transaction in which products can be ordered with the possibility to specify customer reference number, ship-to address, end user, requested price, etc., or even attach files.

Order list – List of orders can be queried by own reference number, status, and time period.

Order Details – Information of both the open and invoiced orders can be retrieved in high detail using this transaction, such as basic order details, status of your order (and order lines), invoice numbers, tracking numbers, serial numbers, etc.

Invoice list – List of invoices can be queried by issue date, IM order number, or by status.

Invoice – Provides complete information of a single invoice, including payment status, serial numbers, VAT break-down, exchange rate used, etc.

Delivery Addresses List – List of all existing delivery addresses for your company can be requested.

Elements/Attributes explanation

The specification for the Transactions Elements (and the data they may contain) is shown in the tables below marked Elements/Attributes Description. To understand how this works, a brief explanation of XML Element tags and nesting is required.

XML Elements and Nesting:

1. Each Element consists of an opening and a closing tag.
2. Anything placed between these tags is said to be contained by those tags.
3. Additional information within an Element's opening tag is called an Attribute.
4. Each Element may contain data.
5. Each Element may contain 1 or more additional Elements, called child Elements.
6. Each of the child Elements are said to be contained or nested within a parent Element.
7. Each child Element may itself be a parent Element, thus the nesting can be on more than 1 level.

In the Data Description tables whenever an Element is a parent Element, both it's opening and closing tags are shown, to indicate what the child elements are. Each table has the following headings.

Element – Gives the opening and closing tags of the Element. Closing tags are not shown if the Element has no children.

Description – Describes the Elements function

Parent Element – Indicates the parent Element of the given child.

NL – Indicates the Nested Level, i.e. how far within the Parent/Child tree the Element resides. Helps to indicate which Elements are grouped together. 'A' indicates this is an Attribute, not an Element.

Min/Max Occurrences – Indicates the number of times the Element can be repeated, and whether the Element is compulsory. If an Element is not compulsory do not provide this in the XML message unless required. This only applies within the scope of the parent Element, i.e. a compulsory child is only compulsory if the parent Element is a part of the XML message. * indicates that an element can occur many times.

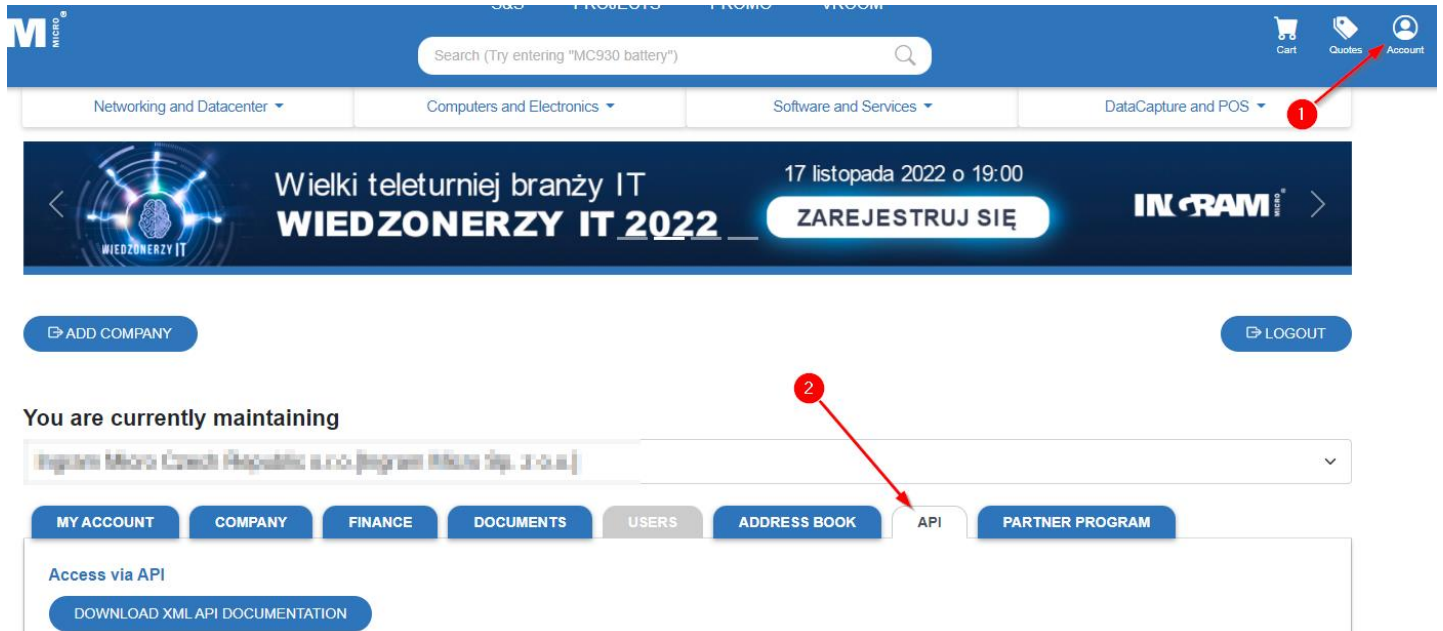
Data Type – If the Element contains data, this indicates the type of data that is accepted.

Min/Max Length– Indicates any constraints on the data if applicable.

Example Data– Provides an appropriate example of the data required

Further information about IMCEE-XML

Access to XML API – XML settings can be found under the Account section on ingrammicro24.com. When your company administrator first visits the Access via API page, he/she will be asked to generate the API key necessary to initiate any XML communications via IMCEE-XML.



CSV API file – Once the API key has been generated, it is possible to download the IngramMicro24 price list in a CSV file using the URL link specified on the Access via API page. This file is paramount to identify Ingram Micro ItemIDs. By default, the currency of the prices in this price list is the same as the manufacturer's currency. If you wish to change this, then you can do it on the Access via API page.

ACCESS VIA API

The screenshot shows the 'ACCESS VIA API' page. At the top, there is a button for 'XML API DOCUMENTATION'. Below this, there is a section titled 'YOUR PERSONAL API KEY' with a text input field containing a generated API key. A red arrow points to the 'Clear the API key' link. Below this, there is a section titled 'API URL ADDRESSES' with two URL addresses: 'https://www.ingrammicro24.com/en/imapi/request' and 'https://www.ingrammicro24.com/en/imapi/requestTest'. Below this, there is a section titled 'CSV CONFIGURATION' with a dropdown menu for 'Currency in csv file' set to 'Vendors preferred currency'. A red arrow points to this dropdown. Below the dropdown, there is a note: 'Attention the prices doesnt contains any additional exchange fees'. There is a checkbox for 'All Vendors included in csv file' which is checked. At the bottom, there is a 'SAVE' button.

Data Formats

The number format used within IMCEE-XML:

99.99

The date format used within IMCEE-XML is:

YYYY-MM-DD

Support procedure

In the event of an issue or a query that may arise before, during and after the integration of IMCEE-XML, the support procedure is as follows:

Step 1. Verify that your query cannot be answered by the IMCEE-XML FAQ document that is located in the download section of the administration web site.

Step 2. Verify that the fault is not a data entry issue, and that all data submitted is correct.

Step 3. Collect as much information as possible on the issue, date, time, APIKey, MessageID, error message, etc., and keep a record of this.

Step 4. Contact CEE-XML_Support@ingrammicro.com.

Request/Response headers

Each request and response have a TransactionHeader section with specific elements inside that match the purpose of the given method. Certain elements are, however, common to the TransactionHeader:

Request / APIKey: The API key identifies your company, the admin user who generated the key on www.ingrammicro24.com, and also serves as a login for XML transactions. The API key is mandatory in **every** request. Considering that this key opens door to every IMCEE-XML transaction, it is recommended to renew it regularly.

Response / DocumentID: The unique identifier of each response message, so it can be used to trace it back in logs.

Response / TimeStamp: The time when the response message was sent.

Response / Errors: Possible error codes and their meaning are mentioned in this section.

Response / TooManyItems: If the conditions in the request result in more orders/invoices/items than allowed (usually 50), then this value is 'True'. In this case, it is recommended to narrow the conditions and resubmit the request.

```
POST /imapi/request HTTP/1.1
Host: ingrammicro24.com
Content-Type: text/xml; charset=utf-8

<DeliveryAddressesListRequest>
  <TransactionHeader>
    <APIKey>1/9af4d8381781baccb0f915e55</APIKey>
  </TransactionHeader>
</DeliveryAddressesListRequest>

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8

<DeliveryAddressesListResponse>
  <TransactionHeader>
    <DocumentID>{6ZZHJ9U5-ZJ3U-9VJO-BF17-I31MX6ISKE4Q}</DocumentID>
    <TimeStamp>2018-07-19 13:36:41</TimeStamp>
    <Errors>
      <Error Code="error_bad_value_order_address_book_id">There is no such id in the company address list</Error>
      <Error Code="error_date_in_past">Date in past</Error>
    </Errors>
    <TooManyItems>False</TooManyItems>
  </TransactionHeader>
  <DeliveryAddresses>
    <DeliveryAddress>
      <DeliveryAddressID>20</DeliveryAddressID>
      <FriendlyName>Friendly name</FriendlyName>
      <CompanyName>Company Inc</CompanyName>
      <AddressLine1>70th Street</AddressLine1>
      <AddressLine2>Address line 2</AddressLine2>
      <City>New York</City>
```

```
<PostCode>00-000</PostCode>
<CountryCode>DE</CountryCode>
<DeliveryContactName>Imię nazwisko</DeliveryContactName>
<DeliveryContactEmail>imie.nazwisko@ingrammicro.com</DeliveryContactEmail>
<DeliveryContactPhone>+48 123 456 789</DeliveryContactPhone>
<IsEndUserAddress>Yes</IsEndUserAddress>
</DeliveryAddress>
</DeliveryAddresses>
</DeliveryAddressesListResponse>
```


Method PnA (Price and Availability)

Description

Up to 50 Ingram Micro Item's Price and Availability information can be queried in a single IM-XML transaction.

PNARequest message example

```
<PNARequest>
  <TransactionHeader>
    <APIKey>1/9af4d8381781baccb0f915e55</APIKey>
    <MyPriceCurrency>EUR</MyPriceCurrency>
  </TransactionHeader>
  <PNAInformations>
    <PNAInformation ItemID="ZBGK42-202520-000"/>
    <PNAInformation ItemID="MD100-100000071BOX-I01"/>
  </PNAInformations>
</PNARequest>
```

PNARequest elements/attributes description

MyPriceCurrency – Preferred currency which the response message is supposed to return prices in. (Currency of all prices are mentioned in the response message.) Not mandatory.

FixExchRate – If the order is placed with Invoice Currency to be in local currency, then depending on the Order Currency Ingram might apply an Exchange Rate Fee on top of the standard price of the product:

Order Currency	Invoice Currency	Who bares the exchange rate risk	Exch. Rate Fee
Vendor currency (USD/EUR)	Local currency	Customer (price is converted to local currency at the time of invoicing)	Yes
Local currency	Local currency	Ingram Micro	No

ItemID – Unique identifier of products in Ingram Micro's catalog. ItemIDs can be retrieved from the CSV API file.

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<PNARequest>	Contains price and availability request	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<PNARequest>	1	1/1	-	-	-
<APIKey>	API key	<TransactionHeader>	2	1/1	String	24/32	1/9af4d8123481baccb0f915e55
<MyPriceCurrency>	Preferred currency of the prices	<TransactionHeader>	2	0/1	String	3/3	PLN
<FixExchRate>	The returned price should consider exchange rate to be fixed or not	<TransactionHeader>	2	0/1	String (Yes/No)	2/3	No
</TransactionHeader>	<TransactionHeader> close	<PNARequest>	1	1/1	-	-	-
<PNAInformations>	PnA product list section	<PNARequest>	1	1/1	-	-	-
<PNAInformation>	Contains product to be queried	<PNAInformations>	2	1/50	-	-	-
ItemID	Product ID at Ingram Micro	Attribute of <PNAInformation>	A	1/1	String	4/42	ZBGK42-202520-000
</PNAInformations>	<PNAInformations> close	<PNARequest>	1	1/1	-	-	-
</PNARequest>	<PNARequest> close	-	0	1/1	-	-	-

PNAResponse message example

```
<PNAResponse>
  <TransactionHeader>
    <DocumentID>{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}</DocumentID>
    <TimeStamp>2018-07-19 13:36:41</TimeStamp>
    <Errors/>
  </TransactionHeader>
  <Products>
    <Product>
```

```

<ItemID>ZBGK42-202520-000</ItemID>
<VPN>GK42-202520-000</VPN>
<MinOrderQty>24</MinOrderQty>
<Multiplicity>12</Multiplicity>
<Availability>
  <BackorderAllowed>Yes</BackorderAllowed>
  <QtyTotalAvailable>300</QtyTotalAvailable>
  <QtyTotalAvailableInDelivery>0</QtyTotalAvailableInDelivery>
  <QtyLocalWarehouseAvailable QuantityMoreThanShown="True">50</QtyLocalWarehouseAvailable>
  <QtyLocalWarehouseAvailableInDelivery
QuantityMoreThanShown="False">0</QtyLocalWarehouseAvailableInDelivery>
  <AdditionalWarehouses>
    <Warehouse>
      <Name>Ingram HU Warehouse</Name>
      <CountryCode>HU</CountryCode>
      <AdditionalLeadTime>2</AdditionalLeadTime>
      <QtyAvailable>150</QtyAvailable>
      <QtyAvailableInDelivery>0</QtyAvailableInDelivery>
    </Warehouse>
    <Warehouse>
      <Name>Ingram Central Warehouse</Name>
      <CountryCode>DE</CountryCode>
      <AdditionalLeadTime>1</AdditionalLeadTime>
      <QtyAvailable>100</QtyAvailable>
      <QtyAvailableInDelivery>0</QtyAvailableInDelivery>
    </Warehouse>
  </AdditionalWarehouses>
</Availability>
<Price>
  <ListPrice>157.89</ListPrice>
  <ListPriceCurrency>EUR</ListPriceCurrency>
  <VendorCurrency>EUR</VendorCurrency>
  <YourPrice>78.95</YourPrice>
  <Currency>EUR</Currency>
  <MiscCharges>
    <MiscCharge>
      <MiscChargeID>6-5-4</MiscChargeID>
      <MiscChargeName>Komponenty a příslušenství nezaložené na mechanickém pohybu</MiscChargeName>
      <MiscChargePerUnit>0.07</MiscChargePerUnit>
    </MiscCharge>
    <MiscCharge>
      <MiscChargeID>COMPONENT</MiscChargeID>
      <MiscChargeName>PC components</MiscChargeName>
      <MiscChargePerUnit>7.77</MiscChargePerUnit>
    </MiscCharge>
  </MiscCharges>
  <TotalMiscChargesPerUnit>7.84TotalMiscChargesPerUnit>
</Price>
</Product>
</Products>
</PNAResponse>

```

PNAResponse elements/attributes description

Element	Description	Parent	NL	Min/Max Occurences	Type	Min/Max Length	Example Data
<PNAResponse>	Contains price and availability Response	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<PNAResponse>	1	1/1	-	-	-
<DocumentID>	Response message ID	<TransactionHeader>	2	1/1	String	38/38	{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}
<TimeStamp>	Date and time of response	<TransactionHeader>	2	1/1	DateTime	N/A	2020-01-09 09:37:01
<Errors>	Errors section	<TransactionHeader>	2	1/1	-	-	-
<Error>	Error description	<Errors>	3	0/*	String	1/175	Product not found
Code	Error code	Attribute of <Error>	A	1/1	String	1/50	api_product_not_found
</Errors>	<Errors> close	<TransactionHeader>	2	1/1	-	-	-
</TransactionHeader>	<TransactionHeader> close	<PNAResponse>	1	1/1	-	-	-
<Products>	Products section	<PNAResponse>	1	1/1	-	-	-
<Product>	Data about a single product	<Products>	2	1/50	-	-	-
<ItemID>	Product ID at Ingram Micro	<Product>	3	1/1	String	4/42	SB6FSDDF-89FD6DSSA5
<VPN>	Vendor Part Number of the product	<Product>	3	1/1	String	2/40	6FSDDF-89FD6DSSA5
<MinOrderQty>	Minimum order qty	<Product>	3	1/1	Int	N/A	12

<Multiplicity>	Only multiplicity of this quantity can be ordered	<Product>	3	1/1	Int	N/A	24
<Availability>	Availability section	<Product>	3	1/1	-	-	-
<BackorderAllowed>	Displays whether order can be placed for more than what is available	<Availability>	4	1/1	String (Yes/No)	2/3	YES
<QtyTotalAvailable>	Available quantity on stock in all warehouses	<Availability>	4	1/1	Int	N/A	30
QuantityMoreThanShown	Indicates whether there is more quantity then displayed	Attribute of <QtyTotalAvailable>	A	1/1	String	4/5	True
<QtyTotalAvailableInDelivery>	Additional available quantity from Purchase Orders	<Availability>	4	1/1	Int	N/A	20
QuantityMoreThanShown	Indicates whether there is more quantity then displayed	Attribute of <QtyTotalAvailableInDelivery>	A	1/1	String	4/5	True
<QtyLocalWarehouseAvailable>	Available quantity on stock in local warehouse	<Availability>	4	1/1	Int	N/A	10
<QtyLocalWarehouseAvailableInDelivery>	Additional available quantity from Purchase Orders to the local whse	<Availability>	4	1/1	Int	N/A	10
<AdditionalWarehouses>	Availability information in other warehouse(s)	<Availability>	4	1/1	-	-	-
<Warehouse>	Set of information about a single warehouse	<AdditionalWarehouses>	5	1/*	-	-	-
<Name>	Name of the warehouse	<Warehouse>	6	1/1	String	1/50	Ingram PL Warehouse
<CountryCode>	Country where the warehouse is located	<Warehouse>	6	1/1	String	2/2	PL
<AdditionalLeadTime>	Additonal number of days to deliver from this warehouse	<Warehouse>	6	1/1	Int	N/A	2
<QtyAvailable>	Available quantity on stock	<Warehouse>	6	1/1	Int	N/A	150
<QtyAvailableInDelivery>	Additional available quantity from Purchase Orders	<Warehouse>	6	1/1	Int	N/A	0
</Warehouse>	<Warehouse> close	<AdditionalWarehouses>	5	1/1	-	-	-
</AdditionalWarehouses>	<AdditionalWarehouses> close	<Availability>	4	1/1	-	-	-
</Availability>	<Availability> close	<Product>	3	1/1	-	-	-
<Price>	Price information section	<Product>	3	1/1	-	-	-
<ListPrice>	List price of the product	<Price>	4	1/1	Numeric	N/A	157.89
<ListPriceCurrency>	Currency of the List Price	<Price>	4	1/1	String	3/3	EUR
<VendorCurrency>	Currency of the vendor	<Price>	4	1/1	String	3/3	EUR
<YourPrice>	Your purchase price	<Price>	4	1/1	Numeric	N/A	120.89
<Currency>	Currency of the YourPrice and the Charges	<Price>	4	1/1	String	3/3	PLN
<MiscCharges>	Misc Charges	<Price>	4	0/1	-	-	-
<MiscCharge>	Misc Charge	<MiscCharges>	5	1/*	-	-	-
<MiscChargeID>	Misc Charge ID	<MiscCharge>	6	1/1	String	1/160	COMPONENT
<MiscChargeName>	Misc Charge Name	<MiscCharge>	6	1/1	String	1/160	PC components
<MiscChargePerUnitNet>	Misc Charge Net Unit Price	<MiscCharge>	6	1/1	Numeric	N/A	11.00
<TotalMiscChargesPerUnit>	Total Misc Charges Per Unit	<Price>	4	0/1	Numeric	N/A	7.84
</Price>	<Price> close	<Product>	3	1/1	-	-	-
</Product>	<Product> close	<Products>	2	1/1	-	-	-
</Products>	<Products> close	<PNAResponse>	1	1/1	-	-	-
</PNAResponse>	<PNAResponse> close	-	0	1/1	-	-	-

Method ProductDetails

Description

You can retrieve product details such as basic product information (Part Number, EAN, Product Description, Warranty, etc.), as well detailed product parameters, images, related products, etc. for up to 50 Items. (Please note that availability of detailed product parameters is subject to certain agreements.)

ProductDetailsRequest message example

```
<ProductDetailsRequest>
  <TransactionHeader>
    <APIKey>1/9af4d8381781baccb0f915e55</APIKey>
    <PreferredLanguageCode>PL</PreferredLanguageCode>
  </TransactionHeader>
  <ProductDetails>
    <Product ItemID="ZBGK42-202520-000"/>
  </ProductDetails>
</ProductDetailsRequest>
```

ProductDetailsRequest elements/attributes description

PreferredLanguageCode – Sets the preferred language of the returned product content. Please note that it only sets the preference, but if content for a given product is not available in that language, and English is available, then English content is returned. (The language of the content is always mentioned in the response message.)

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<ProductDetailsRequest>	Contains product details request	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<ProductDetailsRequest>	1	1/1	-	-	-
<APIKey>	API key	<TransactionHeader>	2	1/1	String	24/32	1/9af4d8123481baccb0f915e55
<PreferredLanguageCode>	Preferred language of the returned product content	<TransactionHeader>	2	1/1	String	2/2	PL
<ProductDetails>	Product list section	<ProductDetailsRequest>	2	1/1	-	-	-
<Product>	Contains product to be queried	<ProductDetails>	2	1/50	-	-	-
ItemID	Product ID at Ingram Micro	Attribute of <Product>	A	1/1	String	4/42	JFS8DF7D87-89GDS67
</ProductDetails>	<ProductDetails> close	<ProductDetailsRequest>	1	1/1	-	-	-
</ProductDetailsRequest>	<ProductDetailsRequest> close	-	0	1/1	-	-	-

ProductDetailsResponse message example

```
<ProductDetailsResponse>
  <TransactionHeader>
    <DocumentID>{C160DB2B-08A0-475F-BF17-ABF41576652A}</DocumentID>
    <TimeStamp>2018-07-19 13:36:41</TimeStamp>
    <Errors/>
  </TransactionHeader>
  <Products>
    <Product>
      <ItemID>ZBGK42-202520-000</ItemID>
      <VPN>GK42-202520-000</VPN>
      <VendorName>Vendor name</VendorName>
      <ProductShortDescription>LS2208 RS232 KIT. 7FT/WHITE W.INTELLISTAND + PS 220V IN</ProductShortDescription>
      <ProductLongDescription>LS2208 WHITE WITH STAND SERIAL KIT - EMEA: LS2208-SR20001R SCANNER, CBA-R01-S07PBR SERIAL CABLE, PWR-WUA5V4W0EU POWER SUPPLY EU, UK, EMEA, RU, ZA, 20-61019-01R STAND</ProductLongDescription>
      <WarrantyCode>Z60</WarrantyCode>
      <WarrantyLength>60</WarrantyLength>
      <WarrantyType>On site</WarrantyType>
      <Images>
        <Image Src="https://inquirecontent1.ingrammicro.com/product1.jpg"/>
        <Image Src="https://inquirecontent1.ingrammicro.com/product2.jpg"/>
        <Image Src="https://inquirecontent1.ingrammicro.com/product3.jpg"/>
      </Images>
      <ParameterGroups>
        <ParameterGroup>
          <ParameterGroupName>Ingram</ParameterGroupName>
          <ParameterGroupType>Internal</ParameterGroupType>
          <ParameterGroupLanguage>PL</ParameterGroupLanguage>
          <Parameters>
            <Parameter>
              <ParameterName>Scan Pattern</ParameterName>
              <ParameterDesc></ParameterDesc>
              <ParameterLanguage>PL</ParameterLanguage>
              <ParameterValues>
                <ParameterValue>
                  <ValueString>Bi-directional</ValueString>
                </ParameterValue>
              </ParameterValues>
            </Parameter>
          </Parameters>
        </ParameterGroup>
      </ParameterGroups>
    </Product>
  </Products>
</ProductDetailsResponse>
```

```

        <ValueNumeric/>
        <ValueDesc/>
        <ValueLanguage>EN</ValueLanguage>
      </ParameterValue>
    </ParameterValues>
  </Parameter>
</Parameters>
</ParameterGroup>
<ParameterGroup>
  <ParameterGroupName>General Information</ParameterGroupName>
  <ParameterGroupType>External</ParameterGroupType>
  <ParameterGroupLanguage>EN</ParameterGroupLanguage>
  <Parameters>
    <Parameter>
      <ParameterName>Brand Name</ParameterName>
      <ParameterDesc></ParameterDesc>
      <ParameterLanguage>EN</ParameterLanguage>
      <ParameterValues>
        <ParameterValue>
          <ValueString>Bi-directional</ValueString>
          <ValueNumeric/>
          <ValueDesc/>
          <ValueLanguage>EN</ValueLanguage>
        </ParameterValue>
      </ParameterValues>
    </Parameter>
    <Parameter>
      <ParameterName>Manufacturer</ParameterName>
      <ParameterDesc></ParameterDesc>
      <ParameterLanguage>EN</ParameterLanguage>
      <ParameterValues>
        <ParameterValue>
          <ValueString>Zebra Technologies Corporation</ValueString>
          <ValueNumeric/>
          <ValueDesc/>
          <ValueLanguage>EN</ValueLanguage>
        </ParameterValue>
      </ParameterValues>
    </Parameter>
    <Parameter>
      <ParameterName>Manufacturer Part Number</ParameterName>
      <ParameterDesc></ParameterDesc>
      <ParameterLanguage>EN</ParameterLanguage>
      <ParameterValues>
        <ParameterValue>
          <ValueString>78FSDDF556-980D6DSDSF</ValueString>
          <ValueNumeric/>
          <ValueDesc/>
        </ParameterValue>
      </ParameterValues>
    </Parameter>
  </Parameters>
</ParameterGroup>
</ParameterGroups>
<RelatedProducts>
  <RelatedProduct ItemID="FSD35-G5G-GD6342" Group="Accesories"/>
  <RelatedProduct ItemID="FSD35-G5G-GD6342" Group="Accesories"/>
  <RelatedProduct ItemID="FSD35-G5G-GD6342" Group="Service contracts"/>
</RelatedProducts>
</Product>
</Products>
</ProductDetailsResponse>

```

ProductDetailsResponse elements/attributes description

Product Parameters – Product parameters are the same as product attributes. The parameters, which can have multiple values (e.g. parameter being 'Wireless LAN Standard', and values being 'IEEE 802.11ac' and 'IEEE 802.11a/b/g/n'), belong to a Parameter group like 'Network & Communication'. Parameter groups can be either 'External' or 'Internal' depending on the source of the corresponding parameter set and its values. (Usually there is one 'Ingram' internal Parameter group, and other external groups from our external content providers.)

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<ProductDetailsResponse>	Contains product details response	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<ProductDetailsResponse>	1	1/1	-	-	-
<DocumentID>	Response message ID	<TransactionHeader>	2	1/1	String	38/38	{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}
<TimeStamp>	Date and time of response	<TransactionHeader>	2	1/1	DateTime	N/A	2020-01-09 09:37:01
<Errors>	Errors section	<TransactionHeader>	2	1/1	-	-	-
<Error>	Error description	<Errors>	3	0/*	String	1/175	Product not found
Code	Error code	Attribute of <Error>	A	1/1	String	1/50	api_product_not_found
</Errors>	<Errors> close	<TransactionHeader>	2	1/1	-	-	-
</TransactionHeader>	<TransactionHeader> close	<ProductDetailsResponse>	1	1/1	-	-	-
<Products>	Products section	<ProductDetailsResponse>	1	1/1	-	-	-
<Product>	Data about a single product	<Products>	2	1/50	-	-	-
<ItemID>	Product ID at Ingram Micro	<Product>	3	1/1	String	4/42	SB6FSDDF-89FD6DSSA5
<VPN>	Vendor Part Number of the product	<Product>	3	1/1	String	2/40	6FSDDF-89FD6DSSA5
<VendorName>	Name of the manufacturer	<Product>	3	1/1	String	1/15	Zebra EVM
<ProductShortDescription>	Short description of the product	<Product>	3	1/1	String	1/175	LS2208 RS232 KIT. 7FT/WHITE W.INTELLISTAND + PS 220V IN
<ProductLongDescription>	Long description of the product	<Product>	3	1/1	String	1/400	LS2208 WHITE WITH STAND SERIAL KIT - EMEA: LS2208-SR20001R SCANNER, CBA-R01-S07PBR SERIAL CABLE, PWR-WUA5V4W0EU POWER SUPPLY EU, UK, EMEA, RU, ZA, 20-61019-01R STAND
<WarrantyCode>	Warranty code at IM; 'UNK' if unknown	<Product>	3	1/1	String	3/3	P48
<WarrantyLength>	Length of the warranty (in months if ends with 'm'); 'lifetime' = lifetime	<Product>	3	1/1	String	1/15	48m
<WarrantyType>	Type of the warranty	<Product>	3	1/1	String	1/15	pick-up and return
<Images>	Product images section	<Product>	3	1/1	-	-	-
<Image>	Contains image source	<Images>	4	0/*	-	-	-
Src	URL of a single product image	Attribute of <Image>	A	1/1	String	1/256	https://inquirecontent1.ingrammicro.com/product3.jpg
<ParameterGroups>	Collection of all the Parameter groups (product parameter = product attribute)	<Product>	3	1/*	-	-	-
<ParameterGroup>	Collection of several parameters from the same group	<ParameterGroups>	4	1/1	-	-	-
<ParameterGroupName>	Name of the parameter group	<ParameterGroup>	5	1/1	String	1/50	Physical Characteristics
<ParameterGroupType>	Parameter group type; source of the content data	<ParameterGroup>	5	1/1	String	1/50	External
<ParameterGroupLanguage>	Language of the parameter name	<ParameterGroup>	5	1/1	String	2/2	PL
<Parameters>	Parameters section	<ParameterGroup>	5	1/1	-	-	-
<Parameter>	Single parameter	<Parameters>	6	1/*	-	-	-

<ParameterName>	Name of the given parameter (attribute)	<Parameter>	7	1/1	String	1/50	Height
<ParameterDesc>	Detailed description of the parameter	<Parameter>	7	1/1	String	1/*	Product height in mm
<ParameterLanguage>	Language of the parameter name	<Parameter>	7	1/1	String	2/2	EN
<ParameterValues>	Section for the parameter values	<Parameter>	7	1/1	-	-	-
<ParameterValue>	Single parameter value	<ParameterValues>	8	1/*	-	-	-
<ValueString>	String value of the given parameter	<ParameterValue>	9	1/1	String	1/50	256 MB
<ValueNumeric>	Numeric value of the given parameter	<ParameterValue>	9	0/1	Numeric	N/A	256.00
<ValueDesc>	Detailed description of the parameter value	<ParameterValue>	9	0/1	String	1/50	Total amount of data that can be stored on the device
<ValueLanguage>	Language of the parameter value	<ParameterValue>	9	0/1	String	2	EN
</ParameterValue>	<ParameterValue> close	<ParameterValues>	8	1/1	-	-	-
</ParameterValues>	<ParameterValues> close	<Parameter>	7	1/1	-	-	-
</Parameter>	<Parameter> close	<Parameters>	6	1/1	-	-	-
</Parameters>	<Parameters> close	<ParameterGroup>	5	1/1	-	-	-
</ParameterGroup>	<ParameterGroup> close	<ParameterGroups>	4	1/1	-	-	-
</ParameterGroups>	<ParameterGroups> close	<Product>	3	1/1	-	-	-
<RelatedProducts>	Related products section	<Product>	3	1/1	-	-	-
<RelatedProduct>	Contains related product	<RelatedProducts>	4	1/*	String	-	-
ItemID	Product ID of the related product	Attribute of <RelatedProduct>	A	1/1	String	4/42	ZBP1031031
Group	Group describing the type of the relation to the <Product>	Attribute of <RelatedProduct>	A	1/1	String	1/ 50	Accessories
</RelatedProducts>	<RelatedProducts> close	<Product>	3	1/1	-	-	-
</Product>	<Product> close	<Products>	2	1/1	-	-	-
</Products>	<Products> close	<ProductDetailsResponse>	1	1/1	-	-	-
</ProductDetailsResponse>	<ProductDetailsResponse> close	-	0	1/1	-	-	-

Method Order

Description

The Order Request transaction is a real-time transaction that allows customers to place standard product orders to Ingram Micro using IMCEE-XML.

High-level description of Ingram Micro's order cycle:

1. Order creation – where all the processing parameters are set. Automatic validation is mostly on shipping address, product authorisation, and stock allocation.
2. Automatic and manual validation of the order – orders are checked for pricing errors or other eligibility conditions.
3. Credit validation – once the order has been validated at sales, it goes through a credit check. If credit is available, the order will process without issue.
4. Warehouse pick and ship – here is where the physical stock is pulled from the different warehouse locations and sent to the delivery bay for collection by the carrier. All of the shipment information is created at this stage (packing slips, tracking numbers, serial numbers).

The order request transaction specifies typical order information such as who to ship to, where to ship to, which carrier to use for the shipment, what order processing logic should be used, list of products, the required quantity of the products, and many other key pieces of information.

Currently, order cancelation is not allowed through IMCEE-XML. If you want to cancel an order placed via XML, please contact your account manager directly.

OrderRequest message example

```
<OrderRequest>
  <TransactionHeader>
    <APIKey>1/9af4d8381781baccb0f915e55</APIKey>
  </TransactionHeader>
  <OrderDetails>
    <CustomerReferenceNumber>1234/2019</CustomerReferenceNumber>
    <OrderCurrency>EUR</OrderCurrency>
    <InvoiceCurrency>EUR</InvoiceCurrency>
    <Shipping>Courier</Shipping>
    <DeliveryAddressID>20</DeliveryAddressID>
    <DeliveryAddressAlt>
      <CompanyName>Company Inc</CompanyName>
      <AddressLine1>70th Street</AddressLine1>
      <AddressLine2>Address line 2</AddressLine2>
      <City>New York</City>
      <PostCode>00-000</PostCode>
      <CountryCode>DE</CountryCode>
      <DeliveryContactName>Imię nazwisko</DeliveryContactName>
      <DeliveryContactEmail>imie.nazwisko@ingrammicro.com</DeliveryContactEmail>
      <DeliveryContactPhone>+48 123 456 789</DeliveryContactPhone>
      <IsEndUserAddress>Yes</IsEndUserAddress>
    </DeliveryAddressAlt>
    <ExpectedDeliveryDate>2019-04-24</ExpectedDeliveryDate>
    <PartialShipmentAllowed>Yes</PartialShipmentAllowed>
    <AttachInvoiceToShipment>Yes</AttachInvoiceToShipment>
    <EndUser>
      <CompanyName>Company Inc</CompanyName>
      <AddressLine1>70th Street</AddressLine1>
      <AddressLine2>Address line 2</AddressLine2>
      <City>New York</City>
      <PostCode>00-000</PostCode>
      <CountryCode>DE</CountryCode>
      <EUContactName>Imię nazwisko</EUContactName>
      <EUContactEmail>imie.nazwisko@ingrammicro.com</EUContactEmail>
      <EUContactPhone>+48 123 456 789</EUContactPhone>
    </EndUser>
    <CollectionInstructions>Please call Ewelina 2 hours before delivery</CollectionInstructions>
    <CustomerNotes>Marcin knows about the deal details</CustomerNotes>
    <AttachFiles>
      <File Filename="vendor_demo_exception.pdf">YmFzZTY0Y29kZQ==</File>
      <File Filename="order_org.pdf">WW1GelpUWTBZMjlrWlE9PVltRnpbUZ6WlRZMFkyOWtaUT09==</File>
    </AttachFiles>
  </OrderDetails>
  <OrderLines>
```



```

<OrderLine>
  <ItemID>ZBGK42-202520-000</ItemID>
  <CustomerLineReference>1</CustomerLineReference>
  <OrderQty>1</OrderQty>
</OrderLine>
<OrderLine>
  <ItemID>ZBGK42-202510-000</ItemID>
  <CustomerLineReference>1</CustomerLineReference>
  <OrderQty>1</OrderQty>
</OrderLine>
</OrderLines>
</OrderRequest>

```

OrderRequest elements/attributes description

Currencies – Orders can be placed in one currency, and invoicing to be requested in a different currency. DEF value in order currency will take default product currency (recommended option).

Shipping – You can select the desired shipping method how you would like to collect your order. If you want to the order to be shipped to the address provided, use the value '**courier**'. (Currently,) any other value means that you will collect the goods yourself from our warehouse.

DeliveryAddressID – List of address IDs that belong to your Company can be queried using the DeliveryAddressesList method. If DeliveryAddressID is not set, order must contain DeliveryAddressAlt. If both DeliveryAddressID and DeliveryAddressAlt are set, then the DeliveryAddressID prevails.

Partial Shipment – You can control whether orders should only be shipped when the order is complete, or do you allow partial shipments. If you allow partial shipments, then IM can fulfill your order in multiple rounds.

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<OrderRequest>	Contains order request	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<OrderRequest>	1	1/1	-	-	-
<APIKey>	API key	<TransactionHeader>	2	1/1	String	24/32	1/9af4d8123481baccb0f915e55
</TransactionHeader>	<TransactionHeader> close	<OrderRequest>	1	1/1	-	-	-
<OrderDetails>	Order details section	<OrderRequest>	1	1/1	-	-	-
<CustomerReferenceNumber>	Customer Reference (PO) Number	<OrderDetails>	2	1/1	String	1/50	1234/2020
<OrderCurrency>	Ordering currency code (DEF value will take default vendor currency)	<OrderDetails>	2	1/1	String	3/3	EUR
<InvoiceCurrency>	Invoicing currency code	<OrderDetails>	2	1/1	String	3/3	PLN
<Shipping>	Delivery method	<OrderDetails>	2	1/1	String	1/25	Courier
<DeliveryAddressID>	Delivery address ID in the IM system	<OrderDetails>	2	0/1	Int	N/A	31
<DeliveryAddressAlt>	Alternative delivery address	<OrderDetails>	2	0/1	-	-	-
<CompanyName>	Company name	<DeliveryAddressAlt>	3	1/1	String	1/120	CompanyTest
<AddressLine1>	Address line 1	<DeliveryAddressAlt>	3	1/1	String	1/175	TestAddress1
<AddressLine2>	Address line 2	<DeliveryAddressAlt>	3	1/1	String	0/175	TestAddress1
<City>	City	<DeliveryAddressAlt>	3	1/1	String	1/50	Warszawa
<PostCode>	Postcode	<DeliveryAddressAlt>	3	1/1	String	1/10	16-400
<CountryCode>	Country code	<DeliveryAddressAlt>	3	1/1	String	2/2	PL
<DeliveryContactName>	Name of contact at delivery location	<DeliveryAddressAlt>	3	1/1	String	0/50	Kazik Drozda
<DeliveryContactEmail>	E-Mail of contact at delivery location	<DeliveryAddressAlt>	3	1/1	String	0/50	Kazik123@kazi o.pl
<DeliveryContactPhone>	Phone of contact at delivery location	<DeliveryAddressAlt>	3	1/1	String	0/25	+48 800 880 774
<IsEndUserAddress>	Indicator whether the given address belongs to an end-customer	<DeliveryAddressAlt>	3	1/1	String (Yes/No)	2/3	YES
<ExpectedDeliveryDate>	Expected delivery date	<OrderDetails>	2	1/1	Date	N/A	2020-04-30
<PartialShipmentAllowed>	Indicator whether partial shipment is accepted	<OrderDetails>	2	1/1	String (Yes/No)	2/3	Yes

<AttachInvoiceToShipment>	Indicator whether you want invoice to accompany the shipment	<OrderDetails>	2	1/1	String (Yes/No)	2/3	NO
<EndUser>	End customer data section	<OrderDetails>	2	0/1	-	-	-
<CompanyName>	End customer company name	<EndUser>	3	1/1	String	1/120	Tetra Corp Sp. z o.o.
<AddressLine1>	Address line 1	<EndUser>	3	1/1	String	1/175	Kazio street 1
<AddressLine2>	Address line 2	<EndUser>	3	1/1	String	0/175	Building 2
<City>	City	<EndUser>	3	1/1	String	1/50	Trakiszki
<PostCode>	Postcode	<EndUser>	3	1/1	String	1/10	18-200
<CountryCode>	Country code	<EndUser>	3	1/1	String	2/2	PL
<EUContactName>	Name of contact person	<EndUser>	3	1/1	String	0/50	Kamil Peszak
<EUContactEmail>	E-Mail of contact person	<EndUser>	3	1/1	String	0/50	Kamil.Peszak@tetracorp.pl
<EUContactPhone>	Phone of contact person	<EndUser>	3	1/1	String	0/25	+48 800 880 774
</EndUser>	<EndUser> close	<OrderDetails>	2	0/1	-	-	-
<CollectionInstructions>	Special instructions about the delivery or pick-up (Mandatory for self pick-up)	<OrderDetails>	2	0/1	String	1/175	Boy George will pickup the order
<CustomerNotes>	Information to be sent to the Ingram Micro sales team	<OrderDetails>	2	0/1	String	1/175	Prices were agreed with Monica
<AttachFiles>	Attachments section	<OrderDetails>	2	1/1	-	-	-
<File>	PDF file encoded in base64	<AttachFiles>	3	0/*	String	1/*	WW1GelpUWTBZMjlrWlE9PVltRnpbUZ6WlRZMFkyOWtaUT09
Filename	Name of the file	Attribute of <File>	A	1/1	String	1/175	quote.pdf
</AttachFiles>	<AttachFiles> close	<OrderDetails>	2	1/1	-	-	-
</OrderDetails>	<OrderDetails> close	<OrderRequest>	1	1/1	-	-	-
<OrderLines>	Product line section	<OrderRequest>	1	1/1	-	-	-
<OrderLine>	Single order line	<OrderLines>	2	1/*	-	-	-
<ItemID>	Product ID at Ingram Micro	<OrderLine>	3	1/1	String	4/42	SB6FSDDF-89FD6DSSA5
<CustomerLineReference>	Customer Line Reference	<OrderLine>	3	0/1	String	1/20	2
<OrderQty>	The quantity to be ordered	<OrderLine>	3	1/1	Int	N/A	2
</OrderLine>	<OrderLine> close	</OrderLines>	2	1/1	-	-	-
</OrderLines>	<OrderLines> close	</OrderRequest>	1	1/1	-	-	-
</OrderRequest>	<OrderRequest> close	-	0	1/1	-	-	-

OrderResponse message example

```

<OrderResponse>
  <TransactionHeader>
    <DocumentID>{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}</DocumentID>
    <TimeStamp>2018-07-19 13:36:41</TimeStamp>
    <Errors/>
  </TransactionHeader>
  <OrderDetails>
    <IMOrderID>12345</IMOrderID>
    <CustomerReferenceNumber>IM/1234/56/7890</CustomerReferenceNumber>
    <OrderCurrency>EUR</OrderCurrency>
    <InvoiceCurrency>EUR</InvoiceCurrency>
    <Shipping>Courier</Shipping>
    <DeliveryAddressID>20</DeliveryAddressID>
    <DeliveryAddressAlt>
      <CompanyName>Company Inc</CompanyName>
      <AddressLine1>70th Street</AddressLine1>
      <AddressLine2>Address line 2</AddressLine2>
      <City>New York</City>
      <PostCode>00-000</PostCode>
      <CountryCode>DE</CountryCode>
      <DeliveryContactName>Imię nazwisko</DeliveryContactName>
      <DeliveryContactEmail>imie.nazwisko@ingrammicro.com</DeliveryContactEmail>
      <DeliveryContactPhone>+48 123 456 789</DeliveryContactPhone>
      <IsEndUserAddress>Yes</IsEndUserAddress>
    </DeliveryAddressAlt>
    <ExpectedDeliveryDate>2019-04-24</ExpectedDeliveryDate>
    <PartialShipmentAllowed>Yes</PartialShipmentAllowed>
    <AttachInvoiceToShipment>Yes</AttachInvoiceToShipment>
  </OrderDetails>
  <EndUser>
    <CompanyName>Company Inc</CompanyName>
    <AddressLine1>70th Street</AddressLine1>
    <AddressLine2>Address line 2</AddressLine2>
    <City>New York</City>
    <PostCode>00-000</PostCode>
    <CountryCode>DE</CountryCode>
  </EndUser>

```

```

    <EUContactName>Imię nazwisko</EUContactName>
    <EUContactEmail>imie.nazwisko@ingrammicro.com</EUContactEmail>
    <EUContactPhone>+48 123 456 789</EUContactPhone>
  </EndUser>
  <CollectionInstructions>Please call Ewelina 2 hours before delivery</CollectionInstructions>
  <CustomerNotes>Marcin knows about the deal details</CustomerNotes>
  <AttachFiles>
    <File Filename="vendor_demo_exception.pdf">YmFzZTY0Y29kZQ==</File>
    <File Filename="order_org.pdf">WW1GelpUWTBZMjlrWlE9PVltRnpbUZ6WlRZMFkyOWtaUT09==</File>
  </AttachFiles>
</OrderDetails>
<OrderLines>
  <OrderLine>
    <ItemID>SESTJL5000400</ItemID>
    <CustomerLineReference>1</CustomerLineReference>
    <OrderQty>1</OrderQty>
    <SalesPrice>93.22</SalesPrice>
    <Currency>USD</Currency>
    <MiscCharges>
      <MiscCharge>
        <MiscChargeID>6-5-4.</MiscChargeID>
        <MiscChargeName>PD - Komponenty a příslušenství nezaložené na mechanickém p</MiscChargeName>
        <MiscChargePerUnit>0.07</MiscChargePerUnit>
      </MiscCharge>
    </MiscCharges>
    <TotalMiscChargesPerUnit>0.07</TotalMiscChargesPerUnit>
  </OrderLine>
  <OrderLine>
    <ItemID>ZBGK42-202521-000</ItemID>
    <CustomerLineReference>1</CustomerLineReference>
    <OrderQty>1</OrderQty>
    <SalesPrice>62.00</SalesPrice>
  </OrderLine>
</OrderLines>
</OrderResponse>

```

OrderResponse elements/attributes description

Element	Description	Parent	NL	Min/Max Occurences	Type	Min/Max Length	Example Data
<OrderResponse>	Contains order response	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<OrderResponse>	1	1/1	-	-	-
<DocumentID>	Response message ID	<TransactionHeader>	2	1/1	String	38/38	{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}
<TimeStamp>	Date and time of response	<TransactionHeader>	2	1/1	DateTime	N/A	2020-01-09 09:37:01
<Errors>	Errors section	<TransactionHeader>	2	1/1	-	-	-
<Error>	Error description	<Errors>	3	0/*	String	1/175	Product not found
Code	Error code	Attribute of <Error>	A	1/1	String	1/50	api_product_not_found
</Errors>	<Errors> close	<TransactionHeader>	2	1/1	-	-	-
</TransactionHeader>	<TransactionHeader> close	<OrderResponse>	1	1/1	-	-	-
<OrderDetails>	Order details section	<OrderResponse>	1	1/1	-	-	-
<IMOrderID>	Order ID assigned by IM	<OrderDetails>	2	1/1	String	1/10	90574
<CustomerReferenceNumber>	Customer Reference (PO) Number	<OrderDetails>	2	1/1	String	1/50	1234/2020
<OrderCurrency>	Ordering currency code	<OrderDetails>	2	1/1	String	3/3	EUR
<InvoiceCurrency>	Invoicing currency code	<OrderDetails>	2	1/1	String	3/3	PLN
<Shipping>	Delivery method	<OrderDetails>	2	1/1	String	1/25	Self-pickup
<DeliveryAddressID>	Delivery address ID in the IM system	<OrderDetails>	2	1/1	Int	N/A	31
<DeliveryAddressAlt>	Alternative delivery address	<OrderDetails>	2	1/1	-	-	-
<CompanyName>	Company name	<DeliveryAddressAlt>	3	1/1	String	1/120	Company Test
<AddressLine1>	Address line 1	<DeliveryAddressAlt>	3	1/1	String	1/175	Test Address1
<AddressLine2>	Address line 2	<DeliveryAddressAlt>	3	1/1	String	1/175	Test Address2
<City>	City	<DeliveryAddressAlt>	3	1/1	String	1/50	Warszawa
<PostCode>	Postcode	<DeliveryAddressAlt>	3	1/1	String	1/10	16-400
<CountryCode>	Country code	<DeliveryAddressAlt>	3	1/1	String	2/2	PL
<DeliveryContactName>	Name of contact at delivery location	<DeliveryAddressAlt>	3	1/1	String	1/50	Kazik Drozda
<DeliveryContactEmail>	E-Mail of contact at delivery location	<DeliveryAddressAlt>	3	1/1	String	1/50	Kazik123@kazi o.pl
<DeliveryContactPhone>	Phone of contact at delivery location	<DeliveryAddressAlt>	3	1/1	String	1/25	+48 800 880 774

<IsEndUserAddress>	Indicator whether the given address belongs to an end-customer	<DeliveryAddressAlt>	3	1/1	String (Yes/No)	2/3	YES
</DeliveryAddressAlt>	<DeliveryAddressAlt> close	<OrderDetails>	2	1/1	-	-	-
<ExpectedDeliveryDate>	Expected delivery date	<OrderDetails>	2	1/1	Date	N/A	2020-04-30
<PartialShipmentAllowed>	Indicator whether partial shipment is accepted	<OrderDetails>	2	1/1	String (Yes/No)	2/3	Yes
<AttachInvoiceToShipment>	Indicator whether invoice will accompany the shipment	<OrderDetails>	2	1/1	String (Yes/No)	2/3	NO
<EndUser>	End customer data section	<OrderDetails>	2	0/1	-	-	-
<CompanyName>	End customer company name	<EndUser>	3	1/1	String	1/120	Kazio End User
<AddressLine1>	Address line 1	<EndUser>	3	1/1	String	1/175	Kazio street1
<AddressLine2>	Address line 2	<EndUser>	3	1/1	String	1/175	Kazio street2
<City>	City	<EndUser>	3	1/1	String	1/50	Trakiszki
<PostCode>	Postcode	<EndUser>	3	1/1	String	1/10	18-200
<CountryCode>	Country code	<EndUser>	3	1/1	String	2/2	PL
<EUContactName>	Name of contact person	<EndUser>	3	1/1	String	1/50	Kazik
<EUContactEmail>	E-Mail of contact person	<EndUser>	3	1/1	String	1/50	KazioEndUser@kaziu.pl
<EUContactPhone>	Phone of contact person	<EndUser>	3	1/1	String	1/25	+48 800 880 774
</EndUser>	<EndUser> close	<OrderDetails>	2	1/1	-	-	-
<CollectionInstructions>	Special instructions about the delivery or pick-up (Mandatory for self pick-up)	<OrderDetails>	2	0/1	String	1/175	Boy George will pickup the order
<CustomerNotes>	Information to be sent to the Ingram Micro sales team	<OrderDetails>	2	0/1	String	1/175	Prices were agreed with Monica
<AttachFiles>	Attach files section	<OrderDetails>	2	1/1	-	-	-
<File>	PDF file encoded in base64	<AttachFiles>	3	0/*	String	1/*	WW1GelpUWTBZMjlrWlE9PVltRnpbUZ6WlRZMFkyOWtaUT09
Filename	Name of the file	Attribute of <File>	A	1/1	String	1/175	quote.pdf
</AttachFiles>	<AttachFiles> close	<OrderDetails>	2	1/1	-	-	-
</OrderDetails>	<OrderDetails> close	<OrderResponse>	1	1/1	-	-	-
<OrderLines>	Product line section	<OrderResponse>	1	1/1	-	-	-
<OrderLine>	Single order line	<OrderLines>	2	1/*	-	-	-
<ItemID>	Product ID at Ingram Micro	<OrderLine>	3	1/1	String	4/42	SB6FSDDF-89FD6DSSA5
<CustomerLineReference>	Customer Line Reference	<OrderLine>	3	1/1	String	1/20	2
<OrderQty>	Ordered Qty	<OrderLine>	3	1/1	Int	N/A	2
<SalesPrice>	Selling price in Ordering Currency	<OrderLine>	3	1/1	Numeric	N/A	62.00
<Currency>	Line currency	<OrderLine>	3	1/1	String	3/3	USD
<MiscCharges>	Misc Charges	<OrderLine>	3	0/*	-	-	-
<MiscCharge>	Misc Charge	<MiscCharges>	4	1/*	-	-	-
<MiscChargeID>	Misc Charge ID	<MiscCharge>	5	1/1	String	1/160	6-5-4
<MiscChargeName>	Misc Charge Name	<MiscCharge>	5	1/1	String	1/160	PD - Komponenty a příslušenství nezaložené na mechanickém p
<MiscChargePerUnitNet>	Misc Charge Net Unit Price	<MiscCharge>	5	1/1	Numeric	N/A	0.07
<TotalMiscChargesPerUnit>	Total Misc Charges Per Unit	<OrderLine>	3	0/1	Numeric	N/A	0.07
</OrderLine>	<OrderLine> close	</OrderLines>	2	1/1	-	-	-
</OrderLines>	<OrderLines> close	</OrderRequest>	1	1/1	-	-	-
</OrderResponse>	<OrderRequest> close	-	0	1/1	-	-	-

Method OrdersList

Description

The method returns all order numbers that meet your conditions based on your own reference number, status or date. The order numbers then can be used to retrieve more details about each individual order. A maximum of 50 orders are returned in a single query.

OrdersListRequest message example

```
<OrdersListRequest>
  <TransactionHeader>
    <APIKey>1/9af4d8381781baccb0f915e55</APIKey>
  </TransactionHeader>
  <OrdersList CustomerReferenceNumber="1234/2019"
    OpenOrdersOnly="Yes"
    StartDate="2019-01-01"
    EndDate="2019-07-31" />
</OrdersListRequest>
```

OrdersListRequest elements/attributes description

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<OrdersListRequest>	Contains order list request	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<OrdersListRequest>	1	1/1	-	-	-
<APIKey>	API key	<TransactionHeader>	2	1/1	String	24/32	1/9af4d8123481baccb0f915e55
</TransactionHeader>	<TransactionHeader> close	<OrdersListRequest>	1	1/1	-	-	-
<OrdersList>		<OrdersListRequest>	1	1/1	-	-	-
CustomerReferenceNumber	Customer Reference in system	Attribute of <OrderDetails>	A	0/1	String	1/50	1234/2019
OpenOrdersOnly	Indicates whether only open orders should be returned	Attribute of <OrderDetails>	A	0/1	String (Yes/No)	2/3	Yes
StartDate	Orders created after this date will be returned	Attribute of <OrderDetails>	A	0/1	Date	1/10	2019-01-01
EndDate	Orders created before this date will be returned	Attribute of <OrderDetails>	A	0/1	Date	1/10	2019-01-20
</OrdersListRequest>	<OrdersListRequest> close	-	0	1/1	-	-	-

OrdersListResponse message example

```
<OrdersListResponse>
  <TransactionHeader>
    <DocumentID>{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}</DocumentID>
    <TimeStamp>2018-07-19 13:36:41</TimeStamp>
    <Errors/>
    <TooManyItems>false</TooManyItems>
  </TransactionHeader>
  <Orders>
    <Order>
      <IMOrderID>12345/ZS17_123587</IMOrderID>
      <CustomerReferenceNumber>1234/2019</CustomerReferenceNumber>
      <CreationDateTime>2019-07-27 11:12:01</CreationDateTime>
      <OrderStatus StatusCode="created">Customer approval required</OrderStatus>
      <OrderTotalAmount>14214.06</OrderTotalAmount>
      <OrderCurrency>EUR</OrderCurrency>
      <InvoiceCurrency>EUR</InvoiceCurrency>
      <Shipping>Courier</Shipping>
      <EndUser>
        <CompanyName>Company Inc</CompanyName>
        <AddressLine1>70th Street</AddressLine1>
        <AddressLine2>Address line 2</AddressLine2>
        <City>New York</City>
        <PostCode>00-000</PostCode>
        <CountryCode>DE</CountryCode>
        <EUContactName>Imię nazwisko</EUContactName>
        <EUContactEmail>imie.nazwisko@ingrammicro.com</EUContactEmail>
        <EUContactPhone>+48 123 456 789</EUContactPhone>
      </EndUser>
    </Order>
  </Orders>
</OrdersListResponse>
```

```

</Order>
<Order>
  <IMOrderID>12345/ZS17_123458</IMOrderID>
  <CustomerReferenceNumber>1234/2019</CustomerReferenceNumber>
  <CreationDateTime>2019-07-28 10:09:01</CreationDateTime>
  <OrderStatus StatusCode="completed">Order received</OrderStatus>
  <OrderTotalAmount>583.11</OrderTotalAmount>
  <OrderCurrency>EUR</OrderCurrency>
  <InvoiceCurrency>EUR</InvoiceCurrency>
  <Shipping>Courier</Shipping>
  <EndUser>
    <CompanyName>Company Inc</CompanyName>
    <AddressLine1>70th Street</AddressLine1>
    <AddressLine2>Address line 2</AddressLine2>
    <City>New York</City>
    <PostCode>00-000</PostCode>
    <CountryCode>DE</CountryCode>
    <EUContactName>Imię nazwisko</EUContactName>
    <EUContactEmail>imie.nazwisko@ingrammicro.com</EUContactEmail>
    <EUContactPhone>+48 123 456 789</EUContactPhone>
  </EndUser>
</Order>
</Orders>
</OrdersListResponse>

```

OrdersListResponse elements/attributes description

Order status – Both in the OrderList and the OrderDetails method, you'll receive status information of your orders. The following statuses exists:

Status	Description
Customer approval required	Partner placed the order, and partner's own settings on IM24 puts the order on hold. Someone from the Customer with proper rights has to log in to IM24 and release the order.
Order received	Partner submitted (and approved) the order.
In progress	The order is sent to the ERP system and is being checked and processed.
Pending Export Control	The order was selected for export control validation and validation.
Pending Credit Check	Order is waiting for Credit release by finance team.
Shipped	Order has been shipped.
Canceled	Order was canceled.

Element	Description	Parent	NL	Min/Max Occurences	Type	Min/Max Length	Example Data
<OrdersListResponse>	Contains order list response	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<OrdersListResponse>	1	1/1	-	-	-
<DocumentID>	Response ID	<TransactionHeader>	2	1/1	String	38/38	{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}
<TimeStamp>	Date and time of response	<TransactionHeader>	2	1/1	DateTime	N/A	2020-01-09 09:37:01
<Errors>	Errors section	<TransactionHeader>	2	1/1	-	-	-
<Error>	Error description	<Errors>	3	0/*	String	1/175	Product not found
Code	Error code	Attribute of <Error>	A	1/1	String	1/50	api_product_not_found
</Errors>	<Errors> close	<TransactionHeader>	2	1/1	-	-	-
<TooManyItems>	Indicates if more than 50 orders match the conditions in the request	<TransactionHeader>	2	1/1	String (True/False)	4/5	False
</TransactionHeader>	<TransactionHeader> close	<OrdersListResponse>	1	1/1	-	-	-
<Orders>	Orders section	<OrdersListResponse>	1	1/1	-	-	-
<Order>	Single order's data	<Orders>	2	0/*	-	-	-
<IMOrderID>	Order ID assigned by IM	<Order>	3	1/1	String	N/A	90574
<CustomerReferenceNumber>	Customer Reference (PO) Number	<Order>	3	1/1	String	1/50	2020/12355AA

<CreationDateTime>	Date when the order was created	<Order>	3	1/1	DateTime	N/A	2019-07-28 10:20:02
<OrderStatus>	Current status of the order	<Order>	3	1/1	String	1/25	Pending Export Control
StatusCode	IM internal code of the status	Attribute of <OrderStatus>	A	1/1	String	1/25	ax_wait_wsk
<OrderTotalAmount>	Total value of the order (in ordering currency)	<Order>	3	1/1	Numeric	N/A	583.20
<OrderCurrency>	Ordering currency	<Order>	3	1/1	String	3/3	EUR
<InvoiceCurrency>	Requested invoicing currency	<Order>	3	1/1	String	3/3	PLN
<Shipping>	Method of transportation	<Order>	3	1/1	String	1/25	Self-pickup
<EndUser>	End customer data section	<Order>	3	1/1	-	-	-
<CompanyName>	End customer company name	<EndUser>	4	1/1	String	1/150	Zbychu Production
<AddressLine1>	Address line 1	<EndUser>	4	1/1	String	1/175	Ul. 500 Plus
<AddressLine2>	Address line 2	<EndUser>	4	1/1	String	1/175	Ul. 13 Emerutury
<City>	City	<EndUser>	4	1/1	String	1/50	Warszawa
<PostCode>	Postcode	<EndUser>	4	1/1	String	1/10	02-630
<CountryCode>	Country code	<EndUser>	4	1/1	String	2/2	PL
<EUContactName>	Name of contact at the end customer	<EndUser>	4	1/1	String	1/50	Zbychu Czeladnik
<EUContactEmail>	E-Mail of contact at the end customer	<EndUser>	4	1/1	String	1/50	Zbyszek@pis.pl
<EUContactPhone>	Phone number of contact at end customer	<EndUser>	4	1/1	String	1/25	+48 855 855 855
</EndUser>	<EndUser> close	<Order>	3	1/1	-	-	-
</Order>	<Order> close	<Orders>	2	1/1	-	-	-
</Orders>	<Orders> close	<OrdersListResponse>	1	1/1	-	-	-
</OrdersListResponse>	<OrdersListResponse> close	-	0	1/1	-	-	-

Method OrderDetails

Description

This method returns the details of a single order using either the IM order number.

OrderDetailsRequest message example

```
<OrderDetailsRequest>
  <TransactionHeader>
    <APIKey>1/9af4d8381781baccb0f915e55</APIKey>
  </TransactionHeader>
  <OrderDetails IMOrderID="12345"/>
</OrderDetailsRequest>
```

OrderDetailsRequest elements/attributes description

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<OrderDetailsRequest>	Contains Order Details Request	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<OrderDetailsRequest>	1	1/1	-	-	-
<APIKey>	API key	<TransactionHeader>	2	1/1	String	24/32	1/9af4d8123481baccb0f915e55
</TransactionHeader>	<TransactionHeader> close	<OrderDetailsRequest>	1	1/1	-	-	-
<OrderDetails>	Order details section	<ProductDetailsRequest>	1	1/1	-	-	-
IMOrderID	IM order number	Attribute of <OrderDetails>	A	1/1	String	1/10	12058
</OrderDetailsRequest>	<OrderDetailsRequest> close	-	0	1/1	-	-	-

OrderDetailsResponse message example

```
<OrderDetailsResponse>
  <TransactionHeader>
    <DocumentID>{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}</DocumentID>
    <TimeStamp>2018-07-19 13:36:41</TimeStamp>
    <Errors/>
  </TransactionHeader>
  <OrdersDetails>
    <OrderDetails>
      <Number>12345/ZS10_123789</Number>
      <IMOrderID>12345</IMOrderID>
      <CustomerReferenceNumber>1234/2018</CustomerReferenceNumber>
      <Status StatusCode="created">Customer approval required</Status>
      <CreationTime>2018-04-24 16:29:53</CreationTime>
      <DeliveryMode>Courier</DeliveryMode>
      <DeliveryAddress>
        <DeliveryAddressID>20</DeliveryAddressID>
        <FriendlyName>Friendly name</FriendlyName>
        <CompanyName>Company Inc</CompanyName>
        <AddressLine1>70th Street</AddressLine1>
        <AddressLine2>Address line 2</AddressLine2>
        <City>New York</City>
        <PostCode>00-000</PostCode>
        <CountryCode>DE</CountryCode>
        <DeliveryContactName>Imię nazwisko</DeliveryContactName>
        <DeliveryContactEmail>imie.nazwisko@ingrammicro.com</DeliveryContactEmail>
        <DeliveryContactPhone>+48 123 456 789</DeliveryContactPhone>
        <IsEndUserAddress>Yes</IsEndUserAddress>
      </DeliveryAddress>
      <ExpectedDeliveryDate>2018-04-24</ExpectedDeliveryDate>
      <PartialShipmentAllowed>Yes</PartialShipmentAllowed>
      <AttacheInvoiceToShipment>Yes</AttacheInvoiceToShipment>
      <EndUserName>Ministry of Defense</EndUserName>
      <OrderCurrency>EUR</OrderCurrency>
      <OrderTotalNetAmount>2117.90</OrderTotalNetAmount>
      <InvoiceCurrency>PLN</InvoiceCurrency>
      <CollectionInstructions>Please call Ewelina 2 hours before delivery</CollectionInstructions>
      <CustomerNotes>Marcin knows about the deal details</CustomerNotes>
    </OrderDetails>
    <OrderLines>
      <OrderLine>
        <LineNumber>1</LineNumber>
        <ItemID>ZBGK42-202520-000</ItemID>
        <VPN>GK42-202520-000</VPN>
        <ProductName>Product name</ProductName>
        <OrderQty>2</OrderQty>
```



```
<Price>78.95</Price>
<TotalNetAmount>157.90</TotalNetAmount>
<AllocatedQtyFromStock>0</AllocatedQtyFromStock>
<AllocatedQtyInDelivery>0</AllocatedQtyInDelivery>
<Shipped>2</Shipped>
<Invoiced>2</Invoiced>
</OrderLine>
<OrderLine>
  <LineNumber>1</LineNumber>
  <ItemID>ZBGK42-202521-000</ItemID>
  <VPN>GK42-202521-000</VPN>
  <ProductName>Product name</ProductName>
  <OrderQty>2</OrderQty>
  <Price>78.95</Price>
  <TotalNetAmount>157.90</TotalNetAmount>
  <AllocatedQtyFromStock>0</AllocatedQtyFromStock>
  <AllocatedQtyInDelivery>0</AllocatedQtyInDelivery>
  <Shipped>2</Shipped>
  <Invoiced>2</Invoiced>
</OrderLine>
</OrderLines>
<DeliveryNotes>
  <DeliveryNote>
    <DN_Number>WZD18123456</DN_Number>
    <ShipmentDate>2018-05-09</ShipmentDate>
    <DeliveryAddress>
      <CompanyName>Company Inc</CompanyName>
      <AddressLine1>70th Street</AddressLine1>
      <AddressLine2>Address line 2</AddressLine2>
      <City>New York</City>
      <PostCode>00-000</PostCode>
      <CountryCode>DE</CountryCode>
    </DeliveryAddress>
  </DeliveryNote>
  <Lines>
    <Line>
      <LineNumber>1</LineNumber>
      <ItemID>ZBGK42-202520-000</ItemID>
      <Qty>2</Qty>
      <SerialNumbers>
        <Serial>S12564664646465</Serial>
        <Serial>S78746541215648</Serial>
      </SerialNumbers>
    </Line>
    <Line>
      <LineNumber>1</LineNumber>
      <ItemID>ZBGK42-202521-000</ItemID>
      <Qty>2</Qty>
      <SerialNumbers>
        <Serial>S12564664646465</Serial>
        <Serial>S78746541215648</Serial>
        <Serial>S12564664646465</Serial>
        <Serial>S78746541215648</Serial>
      </SerialNumbers>
    </Line>
  </Lines>
  <ShippingTrackingNumbers>
    <ShippingTrackingNumber>
      <Status>Delivered</Status>
      <Carrier>UPS</Carrier>
      <CarrierTrackingNumber>12F6DS7F6DS78F78DS</CarrierTrackingNumber>
    </ShippingTrackingNumber>
    <CarrierTrackingNumberURL>http://wwwapps.ups.com/WebTracking/track?trackNums=12F6DS7F6DS78F78DS</CarrierTrackingNumberURL>
  </ShippingTrackingNumbers>
</DeliveryNote>
</DeliveryNotes>
<Invoices>
  <Invoice Number="FS10_123456"/>
</Invoices>
</OrderDetails>
</OrdersDetails>
</OrderDetailsResponse>
```

OrderDetailsResponse elements/attributes description

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<OrderDetailsResponse>	Contains Order Details Response	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<OrderDetailsResponse>	1	1/1	-	-	-
<DocumentID>	Response ID	<TransactionHeader>	2	1/1	String	38/38	{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}
<TimeStamp>	Date and time of response	<TransactionHeader>	2	1/1	DateTime	N/A	2020-01-09 09:37:01
<Errors>	Errors section	<TransactionHeader>	2	1/1	-	-	-
<Error>	Error description	<Errors>	3	0/*	String	1/175	Product not found
Code	Error code	Attribute of <Error>	A	1/1	String	1/50	api_product_not_found
</Errors>	<Errors> close	<TransactionHeader>	2	1/1	-	-	-
</TransactionHeader>	<TransactionHeader> close	<OrderDetailsResponse>	1	1/1	-	-	-
<OrdersDetails>	Order details section	<OrderDetailsResponse>	1	1/1	-	-	-
<OrderDetails>	Details of a single order	<OrdersDetails>	2	1/1	-	-	-
<Number>	IM24 order number / ERP order number	<OrderDetails>	3	1/1	String	1/50	12345/ZS20_002142
<IMOrderID>	Order ID assigned by IM	<OrderDetails>	3	1/1	String	1/10	90574
<CustomerReferenceNumber>	Customer Reference (PO) Number	<OrderDetails>	3	1/1	String	1/50	#8/522
<Status>	Status of the order	<OrderDetails>	3	1/1	String	1/25	Pending Export Control
StatusCode	IM internal code of the status	Attribute of <OrderStatus>	A	1/1	String	1/25	ax_wait_wsk
<CreationTime>	Date and time when the order was created	<OrderDetails>	3	1/1	DateTime	N/A	2019-12-12 13:23:10
<DeliveryMode>	Delivery method	<OrderDetails>	3	1/1	String	1/25	Courier
<DeliveryAddress>	Delivery address	<OrderDetails>	3	1/1	-	-	-
<DeliveryAddressID>	Delivery address ID in the IM system	<DeliveryAddress>	4	0/1	Int	N/A	20
<FriendlyName>	Friendly name of the address	<DeliveryAddress>	4	0/1	String	1/50	CompanIncMain
<CompanyName>	Company name	<DeliveryAddress>	4	1/1	String	1/120	Company Inc.
<AddressLine1>	Address line 1	<DeliveryAddress>	4	1/1	String	1/175	Ul. Kaczyńskich
<AddressLine2>	Address line 2	<DeliveryAddress>	4	1/1	String	1/175	Building #4
<City>	City	<DeliveryAddress>	4	1/1	String	1/50	Dzierwany
<PostCode>	Postcode	<DeliveryAddress>	4	1/1	String	1/10	14-220
<CountryCode>	Country code	<DeliveryAddress>	4	1/1	String	2/2	PL
<DeliveryContactName>	Name of contact at delivery location	<DeliveryAddress>	4	1/1	String	1/50	Kazio Sołtys
<DeliveryContactEmail>	E-Mail of contact at delivery location	<DeliveryAddress>	4	1/1	String	1/50	KazioBiznes@wp.pl
<DeliveryContactPhone>	Phone of contact at delivery location	<DeliveryAddress>	4	1/1	String	1/25	+ 800 007 884
<IsEndUserAddress>	Indicator whether the given address belongs to an end-customer	<DeliveryAddress>	4	1/1	String (Yes/No)	2/3	Yes
</DeliveryAddress>	<DeliveryAddress> close	<OrderDetails>	3	1/1	-	-	-
<ExpectedDeliveryDate>	Expected delivery date	<OrderDetails>	3	1/1	Date	N/A	2020-07-23
<PartialShipmentAllowed>	Indicator whether partial shipment is accepted	<OrderDetails>	3	1/1	String (Yes/No)	2/3	No
<AttacheInvoiceToShipment>	Indicator whether invoice will accompany the shipment	<OrderDetails>	3	1/1	String (Yes/No)	2/3	Yes
<EndUserName>	Name of the end customer	<OrderDetails>	3	1/1	String	1/50	Ministry of Defense
<OrderCurrency>	Ordering currency code	<OrderDetails>	3	1/1	String	3/3	EUR
<OrderTotalNetAmount>	Total value of the order	<OrderDetails>	3	1/1	Numeric	N/A	200.25
<InvoiceCurrency>	Invoicing currency code	<OrderDetails>	3	1/1	String	3/3	PLN
<CollectionInstructions>	Special instructions about the delivery or pick-up (Mandatory for self pick-up)	<OrderDetails>	3	0/1	String	1/175	Please call the warehouse before delivery
<CustomerNotes>	Information to be sent to the Ingram Micro sales team	<OrderDetails>	3	0/1	String	1/175	Prices were agreed with Monica
<OrderLines>	Order lines section	<OrderDetails>	3	1/1	-	-	-
<OrderLine>	Single order line	<OrderLines>	4	1/*	-	-	-

<LineNumber>	Line number in IM systems	<OrderLine>	5	1/1	Int	N/A	1
<ItemID>	Product ID at Ingram Micro	<OrderLine>	5	1/1	String	4/42	HJDS795589-7F8SD7FDFS9
<VPN>	Vendor Part Number of the product	<OrderLine>	5	1/1	String	2/40	DS795589-7F8SD7FDFS9
<ProductName>	Product description	<OrderLine>	5	1/1	String	1/175	Drukarka termo-transf. GK42
<OrderQty>	The quantity to be ordered	<OrderLine>	5	1/1	Int	N/A	2
<Price>	Product price in ordering currency	<OrderLine>	5	1/1	Numeric	N/A	20.20
<TotalNetAmount>	Total line amount in ordering currency	<OrderLine>	5	1/1	Numeric	N/A	157.25
<AllocatedQtyFromStock>	Quantity available from IM's stock	<OrderLine>	5	1/1	Int	N/A	0
<AllocatedQtyInDelivery>	Quantity available from open Purchase Orders	<OrderLine>	5	1/1	Int	N/A	0
<Shipped>	Quantity already shipped	<OrderLine>	5	1/1	Int	N/A	2
<Invoiced>	Quantity already invoiced	<OrderLine>	5	1/1	Int	N/A	2
</OrderLine>	<OrderLine> close	<OrderLines>	4	1/1	-	-	-
</OrderLines>	<OrderLines> close	<OrderDetails>	3	1/1	-	-	-
<DeliveryNotes>	Delivery notes section	<OrdersDetails>	3	1/1	-	-	-
<DeliveryNote>	Single delivery note information	<DeliveryNotes>	4	0/*	-	-	-
<DN_Number>	IM Delivery note number	<DeliveryNote>	5	1/1	String	1/50	WZD18123456
<ShipmentDate>	Shipment date	<DeliveryNote>	5	1/1	Date	N/A	2020-02-30
<DeliveryAddress>	Delivery address section	<DeliveryNote>	5	1/1	-	-	-
<CompanyName>	Company name	<DeliveryAddress>	6	1/1	String	1/120	Prawo i Sprawiedliwość
<AddressLine1>	Address line 1	<DeliveryAddress>	6	1/1	String	1/175	Ul. Ciesza Jarosława 2
<AddressLine2>	Address line 2	<DeliveryAddress>	6	1/1	String	1/175	Building 3
<City>	City	<DeliveryAddress>	6	1/1	String	1/50	Warszawa
<PostCode>	Postcode	<DeliveryAddress>	6	1/1	String	1/10	02-400
<CountryCode>	Country code	<DeliveryAddress>	6	1/1	String	2/2	PL
<Lines>	Order lines sent in this shipment section	<DeliveryNote>	5	1/1	-	-	-
<Line>	Single line	<Lines>	6	1/*	-	-	-
<LineNumber>	Order line	<Line>	7	1/1	Int	N/A	2
<ItemID>	Product ID at Ingram Micro	<Line>	7	1/1	String	4/42	HJDS795589-7F8SD7FDFS9
<Qty>	Quantity shipped	<Line>	7	1/1	Int	N/A	20
<SerialNumbers>	Serial numbers section	<Line>	7	1/1	-	-	-
<Serial>	Single serial number	<SerialNumbers>	8	0/*	String	1/40	S78746541215648
</SerialNumbers>	<SerialNumbers> close	<Line>	7	1/1	-	-	-
</Line>	<Line> close	<Lines>	6	1/1	-	-	-
</Lines>	<Lines> close	<DeliveryNote>	5	1/1	-	-	-
<ShippingTrackingNumbers>	Shipment tracking information section	<DeliveryNote>	5	1/1	-	-	-
<ShippingTrackingNumber>	Single shipment tracking information section	<ShippingTrackingNumbers>	6	0/*	-	-	-
<Status>	Status of shipment	<ShippingTrackingNumber>	7	1/1	String	1/25	Delivered
<Carrier>	Shipping Method	<ShippingTrackingNumber>	7	1/1	String	1/25	DHL
<CarrierTrackingNumber>	Ariwaybill / tracking number	<ShippingTrackingNumber>	7	1/1	String	1/50	12F6DS7F6DS78F78DS
<CarrierTrackingNumberURL>	Shipment tracking URL	<ShippingTrackingNumber>	7	1/1	String	1/175	http://wwwapps.ups.com/WebTracking/track?trackNums=12F6DS7F6DS7
</ShippingTrackingNumber>	<ShippingTrackingNumber> close	<ShippingTrackingNumbers>	6	1/1	-	-	-
</ShippingTrackingNumbers>	<ShippingTrackingNumbers> close	<DeliveryNote>	5	1/1	-	-	-
</DeliveryNote>	<DeliveryNote> close	<DeliveryNotes>	4	1/1	-	-	-
</DeliveryNotes>	<DeliveryNotes> close	<OrdersDetails>	3	1/1	-	-	-
<Invoices>	Invoices section	<OrderDetails>	3	1/1	-	-	-
<Invoice>	Single invoice	<Invoices>	4	0/1	-	-	-
Number	Invoice number	Attribute of <Invoices>	A	1/*	String	1/50	FS20_002000
</Invoices>	<Invoices> close	<OrderDetails>	3	1/1	-	-	-
</OrderDetails>	<OrderDetails> close	<OrdersDetails>	2	1/1	-	-	-
</OrdersDetails>	<OrdersDetails> close	OrderDetailsResponse	1	1/1	-	-	-
</OrderDetailsResponse>	OrderDetailsResponse close	-	0	1/1	-	-	-

Method InvoicesList

Description

A list of invoices can be queried by issue date, IM order number, own reference number, and/or by status. A maximum of 50 invoices are returned in a single query.

InvoicesListRequest message example

```
<InvoicesListRequest>
  <TransactionHeader>
    <APIKey>1/9af4d8381781baccb0f915e55</APIKey>
  </TransactionHeader>
  <Invoices StartDate="2019-07-01"
    EndDate="2019-07-15"
    IMOrderID="12345"
    Status="Unpaid"/>
</InvoicesListRequest>
```

InvoicesListRequest elements/attributes description

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<InvoiceListRequest>	Contains invoice list request	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<InvoiceListRequest>	1	1/1	-	-	-
<APIKey>	API key	<TransactionHeader>	2	1/1	String	24/32	1/9af4d8123481baccb0f915e55
</TransactionHeader>	<TransactionHeader> close	<InvoiceListRequest>	1	1/1	-	-	-
<Invoices>	Invoice list conditions section	<InvoicesListRequest>	1	1/1	-	-	-
StartDate	Starting date	Attribute of <Invoices>	A	0/1	Date	N/A	2020-01-01
EndDate	End date	Attribute of <Invoices>	A	0/1	Date	N/A	2020-12-31
IMOrderID	Order ID in the IM system	Attribute of <Invoices>	A	0/1	String	1/10	90574
Status	Invoice Status	Attribute of <Invoices>	A	0/1	String	1/25	Unpaid
</InvoiceListRequest>	<InvoiceListRequest> close	-	0	1/1	-	-	-

InvoicesListResponse message example

```
<InvoicesListResponse>
  <TransactionHeader>
    <DocumentID>{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}</DocumentID>
    <TimeStamp>2018-07-19 13:36:41</TimeStamp>
    <Errors/>
    <TooManyItems>True</TooManyItems>
  </TransactionHeader>
  <Invoices>
    <Invoice>
      <InvoiceNumber>FS10_123456</InvoiceNumber>
      <CustomerReferenceNumber>1234/2019</CustomerReferenceNumber>
      <IMOrderID>12345</IMOrderID>
      <InvoiceDate>2019-07-26</InvoiceDate>
      <InvoiceDueDate>2019-09-24</InvoiceDueDate>
      <InvoiceTotalAmount>30.68</InvoiceTotalAmount>
      <InvoiceOutstandingAmount>30.68</InvoiceOutstandingAmount>
      <InvoiceCurrency>PLN</InvoiceCurrency>
      <InvoiceStatus>Unpaid</InvoiceStatus>
    </Invoice>
  </Invoices>
</InvoicesListResponse>
```

InvoicesListResponse elements/attributes description

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<InvoicesListResponse>	Contains invoice list response	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<InvoiceListResponse>	1	1/1	-	-	-
<DocumentID>	Response ID	<TransactionHeader>	2	1/1	String	38/38	{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}
<TimeStamp>	Date and time of response	<TransactionHeader>	2	1/1	DateTime	N/A	2020-01-09 09:37:01
<TooManyItems>	Indicates if more than 50 orders match the conditions in the request	<TransactionHeader>	2	1/1	String (True/False)	4/5	True
<Errors>	Errors section	<TransactionHeader>	2	1/1	-	-	-
<Error>	Error description	<Errors>	3	0/*	String	1/175	Product not found
Code	Error code	Attribute of <Error>	A	1/1	String	1/50	api_product_not_found
</Errors>	<Errors> close	<TransactionHeader>	2	1/1	-	-	-
</TransactionHeader>	<TransactionHeader> close	<InvoiceListResponse>	1	1/1	-	-	-
<Invoices>	Invoices section	<InvoicesListResponse>	1	1/1	-	-	-
<Invoice>	Single invoice	<Invoices>	2	1/*	-	-	-
<InvoiceNumber>	Invoice number	<Invoice>	3	1/1	String	6/17	FS19_185266
<CustomerReferenceNumber>	Customer reference number	<Invoice>	3	1/1	String	1/50	#2135/2019
<IMOrderID>	Order ID in the IM system	<Invoice>	3	1/1	String	1/10	90574
<InvoiceDate>	Date of invoice	<Invoice>	3	1/1	Date	N/A	2018-01-01
<InvoiceDueDate>	Payment deadline	<Invoice>	3	1/1	Date	N/A	2019-01-01
<InvoiceTotalAmount>	Invoice amount	<Invoice>	3	1/1	Numeric	N/A	223.21
<InvoiceOutstandingAmount>	Invoice Outstanding Amount	<Invoice>	3	1/1	Numeric	N/A	22.00
<InvoiceCurrency>	Currency code	<Invoice>	3	1/1	String	3/3	PLN
<InvoiceStatus>	Invoice Status	<Invoice>	3	1/1	String	1/25	Unpaid
</Invoice>	<Invoice> close	<Invoices>	2	1/1	-	-	-
</Invoices>	<Invoices> close	<InvoicesListResponse>	1	1/1	-	-	-
</InvoicesListResponse>	<InvoicesListResponse> close	-	0	1/1	-	-	-

Method InvoiceDetails

Description

The method returns detailed information of a given invoice. It is possible to download the invoice in pdf on the online portal (www.ingrammicro24.com) also. Only customers, who agreed to receive invoices electronically can retrieve invoice details using this method.

InvoiceDetailsRequest message example

```
<InvoiceDetailsRequest>
  <TransactionHeader>
    <APIKey>1/9af4d8381781baccb0f915e55</APIKey>
  </TransactionHeader>
  <Invoice InvoiceNumber="FS10_123456"/>
</InvoiceDetailsRequest>
```

InvoiceDetailsRequest elements/attributes description

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<InvoiceDetailsRequest>	Contains invoice details request	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<InvoiceDetailsRequest>	1	1/1	-	-	-
<APIKey>	API key	<TransactionHeader>	2	1/1	String	24/32	1/9af4d8123481baccb0f915e55
</TransactionHeader>	<TransactionHeader> close	<InvoiceDetailsRequest>	1	1/1	-	-	-
<Invoice>	Invoice section	<InvoiceDetailsRequest>	1	1/1	-	-	-
InvoiceNumber	Invoice number	Attribute of <Invoice>	A	1/1	String	6/17	FS19_123456
</InvoiceDetailsRequest>	<InvoiceDetailsRequest> close	-	0	1/1	-	-	-

InvoiceDetailsResponse message example

```
<InvoiceDetailsResponse>
  <TransactionHeader>
    <DocumentID>{6ZZHJ9U5-ZJ3U-9VJO-BF17-I31MX6ISKE4Q}</DocumentID>
    <TimeStamp>2018-07-19 13:36:41</TimeStamp>
    <Errors/>
  </TransactionHeader>
  <Invoice>
    <InvoiceNumber>FS10_123456</InvoiceNumber>
    <IMOrderID>12345</IMOrderID>
    <InvoiceDate>2019-07-26</InvoiceDate>
    <SalesDate>2019-07-26</SalesDate>
    <InvoiceDueDate>2019-09-24</InvoiceDueDate>
    <InvoiceTotalAmount>138.20</InvoiceTotalAmount>
    <InvoiceOutstandingAmount>138.20</InvoiceOutstandingAmount>
    <InvoiceCurrency>PLN</InvoiceCurrency>
    <InvoiceStatus>Unpaid</InvoiceStatus>
    <InvoicePaymentMethod>Cash</InvoicePaymentMethod>
    <BillTo>
      <CompanyName>Company Inc</CompanyName>
      <AddressLine1>70th Street</AddressLine1>
      <AddressLine2>Address line 2</AddressLine2>
      <City>New York</City>
      <PostCode>00-000</PostCode>
      <CountryCode>DE</CountryCode>
      <TaxID>123456789</TaxID>
    </BillTo>
    <ShipTo>
      <DeliveryAddressID>20</DeliveryAddressID>
      <FriendlyName>Friendly name</FriendlyName>
      <CompanyName>Company Inc</CompanyName>
      <AddressLine1>70th Street</AddressLine1>
      <AddressLine2>Address line 2</AddressLine2>
      <City>New York</City>
      <PostCode>00-000</PostCode>
      <CountryCode>DE</CountryCode>
      <DeliveryContactName>Imię nazwisko</DeliveryContactName>
      <DeliveryContactEmail>imie.nazwisko@ingrammicro.com</DeliveryContactEmail>
      <DeliveryContactPhone>+48 123 456 789</DeliveryContactPhone>
      <IsEndUserAddress>Yes</IsEndUserAddress>
    </ShipTo>
  </Invoice>
</InvoiceDetailsResponse>
```

```

</ShipTo>
<InvoiceDocument>YmFzZTY0Y29kZQ==</InvoiceDocument>
<Lines>
  <Line>
    <LineNumber>2</LineNumber>
    <ItemID>L0941-000158</ItemID>
    <VPN>941-000158</VPN>
    <EAN_UPC_Code>5099206082816</EAN_UPC_Code>
    <ProductName>G923 RACING WHEEL AND PEDALS/XBOX ONE A.PC N/A N/A EMEA</ProductName>
    <ItemType>P</ItemType>
    <Qty>10</Qty>
    <NetPrice>5537.13</NetPrice>
    <TotalNetAmount>55371.3</TotalNetAmount>
    <VATRate>21%</VATRate>
    <VATAmount>11627.97</VATAmount>
    <TotalGrossAmount>66999.27</TotalGrossAmount>
    <CountryOfOrigin>CN</CountryOfOrigin>
    <IntrastatCode>84716070</IntrastatCode>
    <MiscCharges>
      <MiscCharge>
        <MiscChargeID>REC</MiscChargeID>
        <MiscChargeName>Recykplace</MiscChargeName>
        <MiscChargePerUnitNet>11.00</MiscChargePerUnitNet>
      </MiscCharge>
    </MiscCharges>
    <TotalMiscChargesNetAmount>110</TotalMiscChargesNetAmount>
    <TotalMiscChargesGrossAmount>133.1</TotalMiscChargesGrossAmount>
    <CorrectedInvoiceNbr/>
    <SerialNumbers>
      <Serial/>
    </SerialNumbers>
  </Line>
  <Line>
    <LineNumber>1</LineNumber>
    <ItemID>ZBGK42-202521-000</ItemID>
    <VPN>GK42-202521-000</VPN>
    <EAN_UPC_Code>5656565656562</EAN_UPC_Code>
    <ProductName>Product name</ProductName>
    <Qty>1</Qty>
    <NetPrice>24.94</NetPrice>
    <TotalNetAmount>24.94</TotalNetAmount>
    <VATRate>23%</VATRate>
    <VATAmount>5.74</VATAmount>
    <TotalGrossAmount>30.68</TotalGrossAmount>
    <CountryOfOrigin>EU</CountryOfOrigin>
    <IntrastatCode>123456789</IntrastatCode>
    <SerialNumbers>
      <Serial>S123456789123456</Serial>
    </SerialNumbers>
  </Line>
</Lines>
<Summary>
  <TotalNetAmount>112.36</TotalNetAmount>
  <TotalVATAmount>25.84</TotalVATAmount>
  <TotalGrossAmount>138.20</TotalGrossAmount>
  <VATInformation>
    <VATCurrencyCode>PLN</VATCurrencyCode>
    <ExchangeRate>1</ExchangeRate>
    <VATDetails>
      <VATDetail>
        <VATRate>23%</VATRate>
        <NetValue>112.36</NetValue>
        <VATValue>25.84</VATValue>
        <GrossValue>138.20</GrossValue>
      </VATDetail>
    </VATDetails>
  </VATInformation>
</Summary>
</Invoice>
</InvoiceDetailsResponse>

```

InvoiceDetailsResponse elements/attributes description

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<InvoiceDetailsResponse>	Contains invoice details response	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<InvoiceDetailsResponse>	1	1/1	-	-	-

<DocumentID>	Response ID	<TransactionHeader>	2	1/1	String	38/38	{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}
<TimeStamp>	Date and time of response	<TransactionHeader>	2	1/1	DateTime	N/A	2020-01-09 09:37:01
<Errors>	Errors section	<TransactionHeader>	2	1/1	-	-	-
<Error>	Error description	<Errors>	3	0/*	String	1/175	Product not found
Code	Error code	Attribute of <Error>	A	1/1	String	1/50	api_product_not_found
</Errors>	<Errors> close	<TransactionHeader>	2	1/1	-	-	-
</TransactionHeader>	<TransactionHeader> close	<InvoiceDetailsResponse>	1	1/1	-	-	-
<Invoice>	Invoice section	<InvoiceDetailsResponse>	1	1/1	-	-	-
<InvoiceNumber>	Invoice number	<Invoice>	2	1/1	String	6/17	FS19_123456
<IMOrderID>	Order number	<Invoice>	2	1/1	String	1/10	90574
<InvoiceDate>	Date of invoice	<Invoice>	2	1/1	Date	N/A	2018-12-21
<SalesDate>	Sale details	<Invoice>	2	1/1	Date	N/A	2019-02-01
<InvoiceDueDate>	Payment deadline	<Invoice>	2	1/1	Date	N/A	2019-01-01
<InvoiceTotalAmount>	Invoice amount	<Invoice>	2	1/1	Numeric	N/A	123.33
<InvoiceOutstandingAmount>	Invoice Outstanding Amount	<Invoice>	2	1/1	Numeric	N/A	123.33
<InvoiceCurrency>	Currency code	<Invoice>	2	1/1	String	3/3	PLN
<InvoiceStatus>	Invoice Status	<Invoice>	2	1/1	String	1/25	Unpaid
<InvoicePaymentMethod>	Payment method	<Invoice>	2	1/1	String	1/25	Cash
<BillTo>	Billing details	<Invoice>	2	1/1	-	-	-
<CompanyName>	Company name	<BillTo>	3	1/1	String	1/150	POPis Company
<AddressLine1>	Address line 1	<BillTo>	3	1/1	String	1/175	Ul. Tusk Street
<AddressLine2>	Address line 2	<BillTo>	3	1/1	String	1/175	Ul. Kaczyński Street
<City>	City	<BillTo>	3	1/1	String	1/50	Warszawa
<PostCode>	Postcode	<BillTo>	3	1/1	String	110	20-502
<CountryCode>	Country code	<BillTo>	3	1/1	String	2/2	PL
<TaxID>	Tax ID	<BillTo>	3	1/1	Int	N/A	123456789
</BillTo>	<BillTo> close	<Invoice>	2	1/1	-	-	-
<ShipTo>	Recipient's details	<Invoice>	2	1/1	-	-	-
<DeliveryAddressID>	Address ID in the IM system	<ShipTo>	3	1/1	Int	N/A	20
<FriendlyName>	Friendly name	<ShipTo>	3	1/1	String	1/150	ZbychuProd
<CompanyName>	Company name	<ShipTo>	3	1/1	String	1/150	ZbychuProduction
<AddressLine1>	Address line 1	<ShipTo>	3	1/1	String	1/175	Ul. Wolności
<AddressLine2>	Address line 2	<ShipTo>	3	1/1	String	1/175	Ul. Prawa
<City>	City	<ShipTo>	3	1/1	String	1/50	Warszawa
<PostCode>	Postcode	<ShipTo>	3	1/1	String	1/10	15-520
<CountryCode>	Country code	<ShipTo>	3	1/1	String	3/3	PLN
<DeliveryContactName>	Name of contact person	<ShipTo>	3	1/1	String	1/50	Zbychu Kukiz
<DeliveryContactEmail>	E-Mail of contact person	<ShipTo>	3	1/1	String	1/50	ZbychuProduction@intera.pl
<DeliveryContactPhone>	Phone of contact person	<ShipTo>	3	1/1	String	1/25	+48 805 805 805
<IsEndUserAddress>	End customer address	<ShipTo>	3	1/1	String (Yes/No)	2/3	Yes
</ShipTo>	<ShipTo> close	<Invoice>	2	1/1	-	-	-
<InvoiceDocument>	PDF encoded in base64	<Invoice>	2	1/1	String	1/	YmFzZTY0Y29kZQ==</
<Lines>	Order lines	<Invoice>	2	1/1	-	-	-
<Line>	Single line	<Lines>	3	1/*	-	-	-
<LineNumber>	Line ID	<Line>	4	1/1	Int	N/A	2
<ItemID>	Product ID	<Line>	4	1/1	String	4/42	ZBABCSD-R54-HSD54H
<VPN>	Vendor Part Number of the product	<Line>	4	1/1	String	2/40	ABCSD-R54-HSD54H
<EAN_UPC_Code>	EAN	<Line>	4	1/1	String	1/13	1256398556201
<ProductName>	Product name	<Line>	4	1/1	String	1/175	Zebra skaner
<Qty>	Quantity ordered	<Line>	4	1/1	Int	N/A	54
<NetPrice>	Net amount / item	<Line>	4	1/1	Numeric	N/A	21.79
<TotalNetAmount>	Net amount	<Line>	4	1/1	Numeric	N/A	24.94
<VATRate>	Percentage of tax	<Line>	4	1/1	String	1/3	23%
<VATAmount>	Tax Value	<Line>	4	1/1	Numeric	N/A	5.78
<TotalGrossAmount>	Gross amount	<Line>	4	1/1	Numeric	N/A	30.89
<CountryOfOrigin>	Country of origin code	<Line>	4	1/1	String	2/2	EU
<IntrastatCode>	Intrastat Code	<Line>	4	1/1	Int	N/A	123456789
<MiscCharges>	Misc Charges	<Line>	4	0/*	-	-	-
<MiscCharge>	Misc Charge	<MiscCharges>	5	1/*	-	-	-
<MiscChargeID>	Misc Charge ID	<MiscCharge>	6	1/1	String	1/160	REC

<MiscChargeName>	Misc Charge Name	<MiscCharge>	6	1/1	String	1/160	Recykklace
<MiscChargePerUnitNet>	Misc Charge Net Unit Price	<MiscCharge>	6	1/1	Numeric	N/A	11.00
<TotalMiscChargesNetAmount>	Total Misc Charges Net Amount	<Line>	4	0/1	Numeric	N/A	11.00
<TotalMiscChargesGrossAmount>	Total Misc Charges Gross Amount	<Line>	4	0/1	Numeric	N/A	11.00
<SerialNumbers>	Serial numbers collection	<Line>	4	1/1	-	-	-
<Serial>	Single serial number	<SerialNumbers>	5	1/*	String	1/20	S123456789123456
</SerialNumbers>	<SerialNumbers> close	<Line>	4	1/1	-	-	-
</Line>	<Line> close	<Lines>	3	1/1	-	-	-
</Lines>	<Lines> close	<Invoice>	2	1/1	-	-	-
<Summary>	Summary data	<Invoice>	2	1/1	-	-	-
<TotalNetAmount>	Net order amount	<Summary>	3	1/1	Numeric	N/A	112.36
<TotalVATAmount>	Tax Value	<Summary>	3	1/1	Numeric	N/A	25.84
<TotalGrossAmount>	Gross order amount	<Summary>	3	1/1	Numeric	N/A	138.20
<VATInformation>	Tax Details	<Summary>	3	1/1	-	-	-
<VATCurrencyCode>	Currency code	<VATInformation>	4	1/1	String	3/3	PLN
<ExchangeRate>	Exchange Rate	<VATInformation>	4	1/1	Numeric	N/A	1
<VATDetails>	Tax Collection	<VATInformation>	4	1/1	-	-	-
<VatDetail>	Single Tax	<VATDetails>	5	1/*	-	-	-
<VATRate>	Percentage	<VatDetail>	6	1/1	String	1/3	23%
<NetValue>	Net amount	<VatDetail>	6	1/1	Numeric	N/A	112.36
<VATValue>	Tax Value	<VatDetail>	6	1/1	Numeric	N/A	25.84
<GrossValue>	The gross amount	<VatDetail>	6	1/1	Numeric	N/A	123.00
</VatDetail>	<VatDetail> close	<VATDetails>	5	1/1	-	-	-
</VATDetails>	<VATDetails> close	<VATInformation>	4	1/1	-	-	-
</VATInformation>	<VATInformation> close	<Summary>	3	1/1	-	-	-
</Summary>	<Summary> close	<Invoice>	2	1/1	-	-	-
</Invoice>	<Invoice> close	<InvoiceDetailsResponse>	1	1/1	-	-	-
</InvoiceDetailsResponse>	<InvoiceDetailsResponse> close	-	0	1/1	-	-	-

Method DeliveryAddressesList

Description

The request returns all pre-defined delivery addresses assigned to your Company in the IngramMicro24 webshop.

DeliveryAddressesListRequest message example

```
<DeliveryAddressesListRequest>
  <TransactionHeader>
    <APIKey>1/9af4d8381781baccb0f915e55</APIKey>
  </TransactionHeader>
</DeliveryAddressesListRequest>
```

DeliveryAddressesListRequest elements/attributes Description

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<DeliveryAddressesListRequest>	Contains delivery address list request	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<DeliveryAddressesListRequest>	1	1/1	-	-	-
<APIKey>	API key	<TransactionHeader>	2	1/1	String	24/32	1/9af4d8123481baccb0f915e55
</TransactionHeader>	<TransactionHeader> close	<DeliveryAddressesListRequest>	1	1/1	-	-	-
</DeliveryAddressesListRequest>	<DeliveryAddressesListRequest> close	-	0	1/1	-	-	-

DeliveryAddressesListResponse message example

```
<DeliveryAddressesListResponse>
  <TransactionHeader>
    <DocumentID>{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}</DocumentID>
    <TimeStamp>2018-07-19 13:36:41</TimeStamp>
    <Errors/>
  </TransactionHeader>
  <DeliveryAddresses>
```

```

    <DeliveryAddress>
      <DeliveryAddressID>20</DeliveryAddressID>
      <FriendlyName>Friendly name</FriendlyName>
      <CompanyName>Company Inc</CompanyName>
      <AddressLine1>70th Street</AddressLine1>
      <AddressLine2>Address line 2</AddressLine2>
      <City>New York</City>
      <PostCode>00-000</PostCode>
      <CountryCode>DE</CountryCode>
      <DeliveryContactName>Imię nazwisko</DeliveryContactName>
      <DeliveryContactEmail>imie.nazwisko@ingrammicro.com</DeliveryContactEmail>
      <DeliveryContactPhone>+48 123 456 789</DeliveryContactPhone>
      <IsEndUserAddress>Yes</IsEndUserAddress>
    </DeliveryAddress>
  </DeliveryAddresses>
</DeliveryAddressesListResponse>

```

DeliveryAddressesListResponse elements/attributes description

Element	Description	Parent	NL	Min/Max Occurrences	Type	Min/Max Length	Example Data
<DeliveryAddressesListResponse>	Contains delivery address list response	-	0	1/1	-	-	-
<TransactionHeader>	Transaction header section	<DeliveryAddressesListResponse>	1	1/1	-	-	-
<DocumentID>	Response ID	<TransactionHeader>	2	1/1	String	38/38	{6ZZHJ9U5-ZJ3U-9VJ0-BF17-I31MX6ISKE4Q}
<TimeStamp>	Date and time of response	<TransactionHeader>	2	1/1	DateTime	N/A	2020-01-09 09:37:01
<Errors>	Errors section	<TransactionHeader>	2	1/1	-	-	-
<Error>	Error description	<Errors>	3	0/*	String	1/175	Product not found
Code	Error code	Attribute of <Error>	A	1/1	String	1/50	api_product_not_found
</Errors>	<Errors> close	<TransactionHeader>	2	1/1	-	-	-
</TransactionHeader>	<TransactionHeader> close	<DeliveryAddressesListResponse>	1	1/1	-	-	-
<DeliveryAddresses>	Delivery Adresses section	<DeliveryAddressesListResponse>	1	1/1	-	-	-
<DeliveryAddress>	Single Address	<DeliveryAddresses>	2	1/*	-	-	-
<DeliveryAddressID>	Address ID	<DeliveryAddress>	3	1/1	Int	N/A	23
<FriendlyName>	Friendly name	<DeliveryAddress>	3	1/1	String	1/150	Bagno
<CompanyName>	Company name	<DeliveryAddress>	3	1/1	String	1/150	PoPis Company
<AddressLine1>	Address line 1	<DeliveryAddress>	3	1/1	String	1/175	Ul. Miłościwie ponującego
<AddressLine2>	Address line 2	<DeliveryAddress>	3	1/1	String	1/175	Ul. Cesarza Jarosława
<City>	City	<DeliveryAddress>	3	1/1	String	1/50	Warszawa
<PostCode>	Postcode	<DeliveryAddress>	3	1/1	String	1/10	15-400
<CountryCode>	Country code	<DeliveryAddress>	3	1/1	String	2/2	PL
<DeliveryContactName>	Name of contact person	<DeliveryAddress>	3	1/1	String	1/50	Zbychu
<DeliveryContactEmail>	E-Mail of contact person	<DeliveryAddress>	3	1/1	String	1/50	ZbychuProduct ion@iw.pl
<DeliveryContactPhone>	Phone of contact person	<DeliveryAddress>	3	1/1	String	1/25	+48 805 805 805
<IsEndUserAddress>	End customer address	<DeliveryAddress>	3	1/1	String (Yes/No)	2/3	Yes
</DeliveryAddress>	<DeliveryAddress> close	<DeliveryAddresses>	2	1/1	-	-	-
</DeliveryAddresses>	<DeliveryAddresses> close	<DeliveryAddressesListResponse>	1	1/1	-	-	-
</DeliveryAddressesListResponse>	<DeliveryAddressesListResponse> close	-	0	1/1	-	-	-