

Invoice
(810) - Inbound
Ansi Version Format: 4010

Invoice (810) Inbound

Segment	Function	Mandatory, Optional, or Conditional
ISA Interchange Envelope	Interchange Control Header	M
GS Functional Loop	Functional Group Header	M
ST Transaction Set Loop	Transaction Set Header	M
BIG	Beginning Segment for Invoice	M
NTE	Note/Special Instruction	O
N1 BT,ST,RE,SE,BY,SF,VN	Name	O
N2	Additional Name Information	C
N3	Address Information	C
N4	Geographic Location	C
ITD	Terms of Sale/Deferred	O
DTM	Date/Time Reference	O
IT1 IT1 Loop	Baseline Item Data (Invoice)	M
PID	Product/Item Description	O
TDS	Total Monetary Value Summary	M
SAC	Service Promo, Allowance, Charge Info	O
CTT	Transaction Totals	M
SE	Transaction Set Trailer	M
GE	Functional Group Trailer	M
IEA	Interchange Control Trailer	M

ISA Interchange Control Header

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
ISA01	I01	Authorization Information Qualifier	2 / 2		Send code "00" in this element.	M
ISA02	I02	Authorization Information	10 / 10		Not used.	M
ISA03	I03	Security Information Qualifier	2 / 2		Send code "00" in this element.	M
ISA04	I04	Security Information	10 / 10		Not used.	M
ISA05	I05	Interchange ID Qualifier	2 / 2		Sender's ID Qualifier.	M
ISA06	I06	Interchange Sender ID	15 / 15		Sender's interchange ID address.	M
ISA07	I05	Interchange ID Qualifier	2 / 2		Receiver's ID Qualifier.	M
ISA08	I07	Interchange Receiver ID	15 / 15		Receiver's interchange ID address.	M
ISA09	I08	Interchange Date	6 / 6		Date: YYMMDD.	M
ISA10	I09	Interchange Time	4 / 4		Time: HHMM.	M
ISA11	I10	Interchange Control Standards Identifier	1 / 1		Interchange standard identifier. Send the code "U" in this element.	M
ISA12	I11	Interchange Control Version	5 / 5		Interchange version. Send the number of the interchange version you are using in this element.	M
ISA13	I12	Interchange Control Number	9 / 9		Sender assigned number that ties the ISA segment to the IEA segment.	M
ISA14	I13	Acknowledgment Requested	1 / 1		Send code "0" - do not send an acknowledgment - or code "1" - send an interchange acknowledgment.	M
ISA15	I14	Test Indicator	1 / 1		Send code "T" for test data, or code "P" for production data.	M
ISA16	I15	Subelement Separator	1 / 1		Sent by sender.	M

GS Functional Group Header

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
GS01	479	Functional ID	2/2		Send the code "IN" to indicate an invoice.	M
GS02	142	Application Sender's Code	2/15		Identifies the sender. Generally, this code is the same as the Sender's Interchange ID.	M
GS03	124	Application Receiver's Code	2/15		Identifies the receiver. This code is generally the same as the Receiver's Interchange ID.	M
GS04	373	Group Date	8/8		Date: CCYYMMDD	M
GS05	337	Group Time	4/8		Time: HHMM	M
GS06	28	Group Control Number	1/9		Sender-defined control number to match the control number from the GE segment.	M
GS07	455	Responsible Agency Code	1/2		Identifies the issue of the standard to be used. Send the code "X."	M
GS08	480	Version/Release/ Industry Identifier Code	1/12		Identifies the version of the standard being used. Send the number of the X12 version you are using.	M

ST Transaction Set Header

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
ST01	143	Transaction Set ID Code	3/3		Send the code "810" to indicate an invoice.	M
ST02	329	Transaction Set Control Number	4/9		Sender-defined control number that must match the control number in segment SE.	M

BIG Beginning Segment for Invoice

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
BIG01	373	Invoice Date	8/8		The invoice date: CCYYMMDD	M
BIG02	76	Invoice Number	1/22	1/10	The invoice number	M
BIG03	373	Purchase Order Date	8/8		The purchase order date: CCYYMMDD	O
BIG04	324	Purchase Order Number	1/22	1/10	The customer's purchase order number	O

NTE Note/Special Instruction

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
NTE02	352	Free Form Message	1/80	1/50	Free-form comment specified by sender.	M

N1 Name

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
N101	98	Entity ID Code	2/3	2/2	Defines the information that will be sent in the N1 segment. DDMS accepts the codes "BT" (billed to), "BY" (buyers), "RE" (remit to), "SE" (seller), "SF" (ship from vendor location), "ST" (ship to), and "VN" (vendor).	M
N102	93	Name	1/60	1/25	The name for the address.	C
N103	66	ID Qualifier	1/2		DDMS accepts the N103 codes "9" (Duns +4), "12" (telephone number), "22" (mutually defined), "91" (assigned by seller), and "92" (assigned by buyer).	O
N104	67	ID Code	2/80		Identification code	C

N2 Additional Name Information

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
N201	93	Name	1/60	1/25	Additional name information	O
N202	93	Name	1/60	1/25	Additional name information	O

N3 Address Information

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
N301	166	Address	1/55	1/25	Address Information	M
N302	166	Address	1/55	1/25	Address Information	O

N4 Geographic Location

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
N401	19	City Name	2/30	1/20	City Name.	C
N402	156	State Code	2/2		State Abbreviation.	C
N403	116	Postal Code	3/15	3/9	The zip code (and carrier route, if available).	O

ITD Terms of Sale/Deferred Terms of Sale

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
ITD01	336	Terms Type Code	2/2		Send code "08" (basic discount offered) in this element.	O
ITD02	333	Terms Basic Date Code	1/2		Send code '3' (invoice date) in this element.	O
ITD03	338	Terms Discount Percent	1/6		The discount percentage.	O
ITD04	370	Terms Discount Due Date	8/8		Date: CCYYMMDD	C
ITD06	446	Terms Net Due Date	8/8		Date: CCYYMMDD	O
ITD08	362	Terms Discount Amount	1/10		The discount dollar amount.	O
ITD12	352	Description	1/80		Payment terms message	O

DTM Date/Time Reference

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
DTM01	374	Date/Time Qualifier	3/3		Send code "004" (date ordered or P/O date) or "011" (date shipped) in this element	M
DTM02	373	Date	8/8		Date: CCYYMMDD	C

IT1 Baseline Item Data

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
IT101	350	Assigned Identity	1/20	1/7	The P/O sequence number for the item.	O
IT102	358	Quantity Invoiced	1/10	1/5	The invoiced quantity of the item.	M
IT103	355	Unit of Measure	2/2		The unit of measure for the item being ordered.	M
IT104	212	Unit Price	1/17	1/9	The price of the item.	M
IT106	235	Product Qualifier	2/2		Send the code "UP" in this element.	O
IT107	234	Product ID	1/48	1/23	The item's UPC consumer package code (1-5-5-1).	C
IT108	235	Product Qualifier	2/2		Send the code "IN" in this element.	O
IT109	234	Product ID	1/48	1/23	The buyer's item number (the number used to order the item).	C
IT110	235	Product Qualifier	2/2		Send the code "VN" in this element.	O
IT111	234	Product ID	1/48	1/23	The vendor's item number.	C
IT112	235	Product Qualifier	2/2		Send the code "MG" in this element.	O
IT113	234	Product ID	1/48	1/23	The manufacturer's item number.	C

Note: We must receive same item number sent on 850.

PID Product/Item Description

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
PID01	349	Item Description Type	1/1		Send the code "F" in this element.	M
PID05	352	Description	1/80		The item's description.	C

TDS Total Monetary Value Summary

Ref.	Elem.	Name	Size	DDMS	Usage	
TDS01	610	Invoice Total	1/15	1/12	The total dollar amount of the invoice.	M
TDS02	610	Amounts Subject to Terms Discount	1/15	1/12	The dollar amount subject to a terms discount.	C
TDS03	610	Discounted Amount Due	1/15	1/12	The amount due if the invoice is paid by the terms discount date.	O
TDS04	610	Terms Discount Amount	1/15	1/12	The total amount of the terms discount.	O

SAC Service, Promotion, Allowance, or Charge Info

Ref.	Elem.	Name	Field Size	DDMS	Usage	
SAC 01	248	Allowance/ Charge Indicator	1/1		Send the code "C" (charge) or "A" (allowance) in this element.	M
SAC 02	1300	Service, Promotion, Allowance, Charge Code	4/4		DDMS will accept any valid ANSI charge or allowance code in this field.	M
SAC 05	610	Amount	1/15	1/12	The dollar amount of the allowance or charge.	O
SAC 12	331	Allowance or Charge Method of Handling Code	2/2		Send the code "02" (off invoice), "05" (freight allowance), or "06" (transportation amount).	C
SAC 15	352	Description	1/80		A description of the charge or allowance.	C

CTT Transaction Totals

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
CTT01	354	Number of Line Items	1/6		The total number of IT1 segments (line items) that were sent.	M

SE Transaction Set Trailer

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
SE01	96	Number of Included Segments	1 / 10		The total number of transmitted segments in the range from ST through SE.	M
SE02	329	Transaction Control Number	4 / 9		Sender-defined control number -- must match the control number in segment ST.	M

GE Functional Group Trailer

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
GE01	97	Number of Included Sets	1 / 6		A count of the included transaction sets (the number of ST segments transmitted).	M
GE02	28	Data Interchange Control Number	1 / 9		Sender-defined control number. This number must match the control number in the GS segment.	M

IEA Interchange Control Trailer

Ref.	Elem.	Name	X12 Size	DDMS	Usage	
IEA01	116	Number of Included Groups	1 / 5		A count of the functional groups transmitted.	M
IEA02	112	Interchange Control Number	9 / 9		Sender-defined control number. This number must match the control number in the ISA segment.	M