



DMXWare XML v2.0

XML ENABLED THERMAL RFID LABEL PRINTING FOR SAP

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1 <?xml version="1.0" encoding="UTF-8" ?>
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4 <Item>
5 <FieldList format="3" jobName="WRITE20051215190125" quantity="1">
6 <Field name="DOCUMENT_NO">Nov_29_02</Field>
7 <Field name="DOCUMENT_TYPE">51</Field>
8 <Field name="EPC">307402422040314000001</Field>
9 <Field name="EPC_TYPE">SGTIN-96</Field>
10 <Field name="EPC_URN">urn:epc:tag:sgtin-96:3.0037000.065733.28</Field>
11 <Field name="EPC_URN_NO_HEADER">3.0037000.065733.28</Field>
12 <Field name="GTIN">00037000657330</Field>
13 <Field name="PRODUCT">RFID_MAT1</Field>
14 </FieldList>
15 </Item>
16 </WriteTagData>
17
18 <?xml version="1.0" encoding="UTF-8" ?>
19
20 <WriteTagData readerID="WRITE">
21 <Item>
22 <FieldList format="3" jobName="WRITE20051215190125" quantity="1">
23 <Field name="DOCUMENT_NO">Nov_29_02</Field>
24 <Field name="DOCUMENT_TYPE">51</Field>
25 <Field name="EPC">30740242204031400000001</Field>
26 <Field name="EPC_TYPE">SGTIN-96</Field>
27 <Field name="EPC_URN">urn:epc:tag:sgtin-96:3.0037000.065733.28</Field>
28 <Field name="EPC_URN_NO_HEADER">3.0037000.065733.28</Field>
29 <Field name="GTIN">00037000657330</Field>
30 <Field name="PRODUCT">RFID_MAT1</Field>
31 <Field name="PRODUCT_DESCRIPTION">RFID Material 1</Field>
32 </FieldList>
33 </Item>
34 </WriteTagData>
35
36 <?xml version="1.0" encoding="UTF-8" ?>
37
38 <WriteTagData readerID="WRITE">
39 <Item>
40 <FieldList format="3" jobName="WRITE20051215190125" quantity="1">
41 <Field name="DOCUMENT_NO">Nov_29_02</Field>
42

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Datamax customers can now print and encode RFID thermal labels, directly from SAP without the need for additional third party communications middleware.

The Datamax A-Class, M-Class, I-Class, H-Class, and W-Class printer families can now be configured with special firmware that can accept and process incoming label print jobs formatted using the popular business-to-business data exchange standard known as Extensible Markup Language (XML). XML enabled Datamax printers can internally process and directly print labels generated from TCP/IP printer communications mode.

SAP can connect directly to TCP/IP enabled Datamax printers and send the label print job XML instructions to the designated port. The printer then selects the appropriate label from those previously stored in its memory and populates its variables with data from the XML instructions, encodes the tag, and then prints the label.

DMXWare XML v2.0 enabled Datamax printers include several default label formats along with instructions on how to modify these labels or add additional label designs to accommodate your XML label and RFID tag requirements.

Datamax, an EPCglobal member and developer of one of the first RFID-ready thermal label printers, has combined the power and scalability of XML with a variety of standards based RFID components. The result is an RFID label printing/encoding solution designed to accommodate the SAP-All-DC-RFID interface. Datamax RFID/UHF printers currently support the following RFID standard tag types:

- Class 0
- Class 0+
- Class 1, Gen 1
- Class 1, Gen.2
- EPC 1.19 Ucode
- EM4222/4223

To order DMXWare XML v2.0 enabled Datamax printers contact Datamax at (407) 578-8007, or to learn more about DMXWare label printing go to the DMXWare web portal for SAP at www.datamaxcorp.com/sap.



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HOW IT WORKS:

- The DMXWare XML v2.0 printer firmware contains the ability to accept and parse an incoming XML datastream from SAP-All.
- The DMXWare XML v2.0 CD-ROM includes several label formats in Datamax Programming Language (DPL) and also in Seagull Scientific BarTender (BTW) format.
- The DMXWare XML v2.0 CD-ROM also includes a simple utility that will store the DPL files in the printers' memory. The printer's firmware will match the incoming XML with the corresponding DPL label format and print the label.
- BarTender Enterprise (not included) can be used to modify any of the supplied label formats and export them as XML variable enabled DPL files using BarTender's Printer Code Template feature. BarTender can also be used to create new label formats. NOTE: design and implementation of new label formats must be a closely coordinated process between the SAP administrator and the BarTender label designer to insure that label variables are named correctly to match the SAP data definitions and the expected XML.

WHICH PRINTERS:

The following Datamax printer families ship from the factory with the DMXWare XML parsing firmware:

- A-Class
- M-Class
- I-Class
- H-Class
- W-Class

HOW TO ORDER:

- Order your A, M, I, H, or W-Class printers as you would through your normal purchasing channel.
- For TCP/IP network connectivity to the SAP infrastructure order the corresponding Ethernet LAN interface option for the Datamax printer(s).
- Also order the DMXWare XML v2.0 CD-ROM (PN: DP078-2671-01).

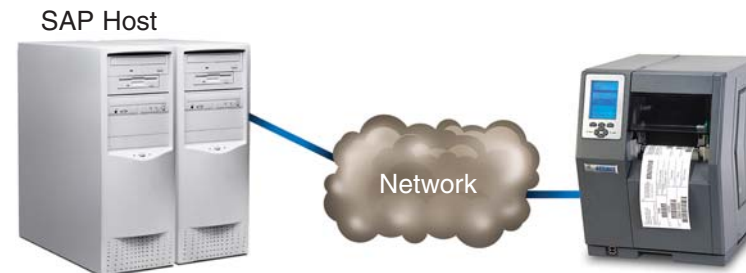
WHAT IS INCLUDED:

The DMXWare XML v2.0 CD-ROM contains the following items:

- Sample label formats in Seagull Scientific BarTender format (BTW). These files can be modified using Seagull Scientific BarTender Enterprise (not included - must be purchased from a BarTender dealer).
- Sample label formats in DPL format ready to be stored in the printer's memory.
- Sample label formats in modified DPL format (store command added for reference or to be used if loading into the printer using the Seagull/Datamax Windows printer driver).
- User documentation.
- Printer firmware.
- The Datamax file store utility (DPLFiles).
- XML test data for each of the sample labels.

WHO TO CONTACT:

- Contact your SAP system administrator for all questions related to your SAP applications and how to define and test a Datamax printer within the SAP environment.
- Contact your Datamax Technical Support representative for all questions related to the operation of your Datamax printer and how to load and store label formats in the printer.
- Contact your Seagull Scientific BarTender dealer if you have questions concerning, or would like to purchase BarTender Enterprise.



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Rev. 08/06