



ATEX TEST REPORT COVER



ExTR Reference Number.....:	N/A (ATEX Only)
ExTR Free Reference Number	4787074433
Compiled by + signature (ExTL)	Miguel Bueno 
Reviewed by + signature (ExTL).....:	Peter Gil 
Approved by + signature (ExCB) ...:	N/A
Date of issue	2015-12-15
Ex Testing Laboratory (ExTL).....:	UL LLC
Address	333 Pfingsten Road, Northbrook, IL 60062 USA
Ex Certification Body (ExCB).....:	N/A
Address	N/A
Applicant's name	Digi International
Address	11001 Bren Road E, Minnetonka, MN 55343 USA
Standards associated with this ExTR package	IEC 60079-0 Ed.6, IEC 60079-15 Ed.4
Clauses considered	All clauses considered.
Test procedure	IECEX System
Test Report Form Number	ExTR Cover_5 (released 2014-01)
Test item description.....:	Industrial Routers, "TransPort WR31" series.
Model/type reference	WR31-L12A-DE1-TB, WR31-L52A-DE1-TB and WR31-U92A-DE1-TB.
Code (e.g. Ex __ II__ T__).....:	Ex nA IIC T4 Gc
Rating.....:	Input: 9-30 V DC 6 W max.
All testing fully performed by ExTL staff at ExTL address above:	Yes
<p>Instructions for Intended Use of ExTR Cover: <i>An ExTR Cover is the sole top-level document to associate together all other parts of an IECEx Test Report (ExTR) package. An ExTR package is comprised of an ExTR Cover and one or more associated ExTR documents (which may include Ex Test Reports, ExTR Addendums and ExTR of National Differences). All ExTR package documents are compiled and reviewed by the ExTL. The Issuing ExCB indicates final approval of the overall ExTR package on this ExTR Cover.</i></p>	
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Manufacturer's name : Digi International
 Address : 11001 Bren Road E, Minnetonka, MN 55343 USA
 Manufacturer's name : Digi International Inc.
 Address : 10000 West 76th Street, Eden Prairie, MN 55344, USA
 Trademark..... : 

Particulars: Test item vs. Test requirements

Classification of installation and use : Stationary
 Ingress protection : N/A
 Rated ambient temperature range (°C) : -30°C to +70°C






General remarks:

The test results presented in this ExTR package relate only to the item or product tested.





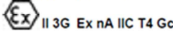
- "(see Attachment #)" refers to additional information appended to the ExTR package.
- "(see appended table)" refers to a table appended to the ExTR package.
- Throughout this ExTR package, a point is used as the decimal separator.
- *Where the term "N/A" appears in any part of an ExTR package, it indicates that the associated issue was considered "Not applicable" to the involved evaluation.*
- *In accordance with IECEx 02, a Receiving ExCB may request a sample of the Ex equipment and copies of the documentation referred to in an ExTR Cover.*





The technical content of this ExTR package shall not be reproduced except in full without the written approval of the Issuing ExCB and ExTL.





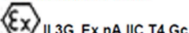
Copy of Marking Plate:

<p>WR31-L12A-DE1-TB Rev:</p> <p>SN: 101010 </p> <p>IMEI: 1010101010101010 </p> <p>MAC: 1010101011 </p>	<div style="text-align: center;">  </div> <p>This device complies with Part 15 of the FCC Rules. I.T.E for Use In Haz. Loc. Class I Div. 2 Groups A, B, C, and D; T4 See Installation Guide</p> <div style="text-align: center;">  </div> <p>-30°C ≤ Tamb ≤ 70°C CERT# DEMKO 15 ATEX 1574X CoO: USA DC: 1549 LBL: 95016882 B</p>
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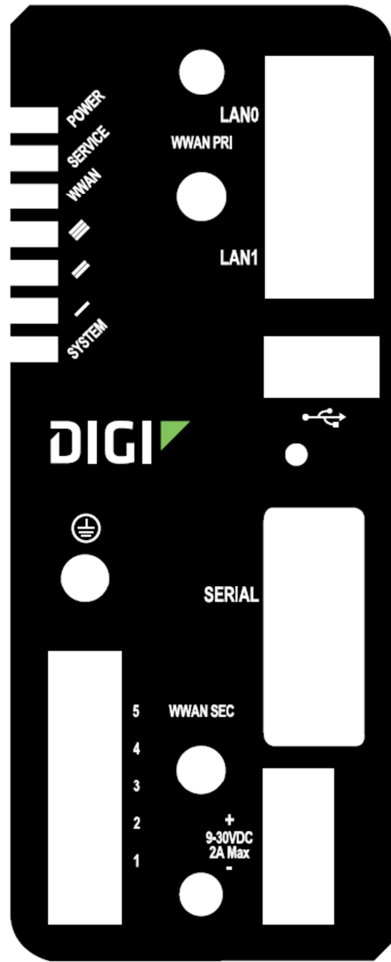
<p>DIGI</p> <p>SN: 101011 </p> <p>IMEI: 1010101101010101 </p> <p>MAC: 110101011010</p>	<p>TRANSPORT WR31</p> <p>HW: LTE EMEA</p> <p>PN: WR31-L12A-DE1-TB Rev: ?</p>	
  <p>CoO:USA 1547 95016882 B</p>		

<p>WR31-L52A-DE1-TB Rev:</p> <p>SN: 101010 </p> <p>IMEI: 1010101010101010 </p> <p>MAC: 1010101011 </p>	<div style="text-align: center;">  <p>LISTED E227798</p> </div> <p>Contains FCC ID: N7NMC7355 and IC: 2417C-MC7355 This device complies with Part 15 of the FCC Rules. I.T.E for Use In Haz. Loc. Class I Div. 2 Groups A, B, C, and D; T4 See Installation Guide</p> <div style="text-align: center;">  <p>II 3G Ex nA IIC T4 Gc -30°C ≤ Tamb ≤ 70°C</p> </div> <p>CERT# DEMKO 15 ATEX 1574X CoO: USA DC: 1549 LBL: 95016883 C</p> <p style="font-size: small;">Global Headquarters Digi International 11001 Bren Road East Minnetonka, MN 55343 USA</p>
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<p>DIGI</p> <p>SN: 101011 </p> <p>IMEI: 1010101101010101 </p> <p>MAC: 110101011010 </p>	<p>TRANSPORT WR31</p> <p>HW: LTE Amer</p>	<p></p> <p>PN: WR31-L52A-DE1-TB</p> <p>Rev: ?</p>	<div style="text-align: center;">   <p>CoO:USA 1547 95016883 B</p> </div>
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<p>WR31-U92A-DE1-TB Rev:</p> <p>SN: 101010 </p> <p>IMEI: 1010101010101010 </p> <p>MAC: 1010101011 </p>	<div style="text-align: center;">  <p>LISTED E227798</p> </div> <p>Contains FCC ID: R17HE910 and IC: 5131A-HE910 This device complies with Part 15 of the FCC Rules. I.T.E for Use In Haz. Loc. Class I Div. 2 Groups A, B, C, and D; T4 See Installation Guide</p> <div style="text-align: center;">  <p>II 3G Ex nA IIC T4 Gc -30°C ≤ Tamb ≤ 70°C</p> </div> <p>CERT# DEMKO 15 ATEX 1574X CoO: USA DC: 1549 LBL: 95016884 B</p> <p style="font-size: small;">Global Headquarters Digi International 11001 Bren Road East Minnetonka, MN 55343 USA</p>
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<p>DIGI</p> <p>SN: 092833 </p> <p>IMEI: 1234567890123456 </p> <p>MAC: 00409D123ABC </p>	<p>TRANSPORT WR31</p> <p>HW: HSPA</p>	<p></p> <p>PN: WR31-U92A-DE1-TB</p>	<div style="text-align: center;">   <p>CoO:U SA 1544 95016884 A</p> </div>
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General product information:

Model WR31 Series are Ethernet Routers with wireless capability, utilized to convert Ethernet data into RF signals for wireless transmission and reception. These units are “open type” devices and are intended for installation into an end-user supplied enclosure that utilizes a tool removable door or cover.

The models are identical, except for the wireless communications cards employed.

WR31-L12A-DE1-TB - Huawei ME909u-521 PCIe

WR31-L52A-DE1-TB – Sierra Wireless MC7354

WR31-U92A-DE1-TB - Telit HE910 Mini PCIe

Electrical data

Models	Power Input	I/O	
		Digital	Analog
WR31-L12A-DE1-TB WR31-L52A-DE1-TB WR31-U92A-DE1-TB	9 - 30 VDC, 6W max	0-30 VDC	4-20mA or 0-10V

Details regarding 'trade agent' / 'local assembler' application in accordance with OD 203:

N/A

Details of change (applicable only when revising an existing ExTR package):

N/A

In accordance with OD 024, testing not fully performed by ExTL staff at the above ExTL address:

N/A

National differences considered as part of this evaluation, if any:

The equipment also complies with the requirements of EN 60079-0:2012+A11:2013 and EN 60070-15:2010.

The differences between IEC 60079-0, Sixth Edition and EN 60079-0:2012 and IEC 60079-15, Fourth Edition and EN 60079-15:2010 are covered in the IECEx Test Report of National Differences.

"Specific Conditions of Use" for Ex Equipment or "Schedule of Limitations" for Ex Components, if any:

- The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
- The equipment shall be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance with EN 60079-15 and only accessible by the use of a tool.
- Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment.

Routine tests, if any:

N/A

Manufacturer's Documents			
Title:	Drawing No.:	Rev. Level:	Date:
TransPort WR31 Assembly Drawing (3 sheets)	50001900-XX	A	-
TransPort WR31 Cover (2 sheets)	60001397-01	B	-
TransPort WR31 Base (4 sheets)	60001398-01	B	-
TransPort WR31 Faceplate (2 sheets)	60001399-XX	B1	-
TransPort WR31 Subassembly Faceplate (1 sheet)	51000224-XX	A3	-
TransPort WR31, SIM Door (2 sheets)	60001404-01	B	-
WR31 Main Board Schematics and Component Layout (11 sheets)	55001847-01	A	-
WR31 Option Board Schematics and Component Layout (7 sheets)	55001848-01	A	-
WR31 Main Board BOM (3 pages)	55001847-01	A	-
WR31 Option Board BOM (2 pages)	55001848-01	A	-
WR31-L12A-DE1-TB Main Assembly BOM (1 page)	50001900-01	A	-
WR31-L52A-DE1-TB Main Assembly BOM (1 page)	50001900-02	A	-
WR31-U92A-DE1-TB Main Assembly BOM (1 page)	50001900-03	A	-
WR31- Ratings Marking Plate	68002325	B	-
WR31-L12A-DE1-TB Marking Plate	95016882	B	-
WR31-L52A-DE1-TB Marking Plate	95016883	C	-
WR31-U92A-DE1-TB Marking Plate	95016884	B	-
WR31 Hazardous Location User Manual (8 pages)	90001490	A	-