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KONA MEGA GATEWAY – 900MHz TDD

Gateway Labeling

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1 Product Description

The KONA Mega Gateway is a LoRaWAN IoT gateway that supports a broad range of LoRaWAN channels. The Mega platform is designed to support a multitude of deployment configurations in an outdoor environment. The hardware architecture supports one or two LoRa antennas, a GPS antenna, direct DC input power or Power over Ethernet (PoE), and backhaul options including copper Ethernet and 3G/4G wireless.

This document is specific to a subset of the full KONA Mega portfolio, inclusive only of Mega gateways employing Time Division Duplexing (TDD), operating in the 900MHz frequency band, and optionally including the Sierra Wireless EM7455 3G/4G modem. Table 1 lists all such KONA Mega Gateway models.

Table 1: KONA Mega Gateway Models

Product Number	1X LoRa ANT	2X LoRa ANT	LTE Modem
T0004978	x		
T0004982		x	
T0004988	x		
T0004992		x	
T0004996	x		
T0005000		x	
T0005004	x		
T0005006	x		x
T0005008		x	
T0005010		x	x

Figure 1 illustrates the KONA Mega Gateway external form-factor.

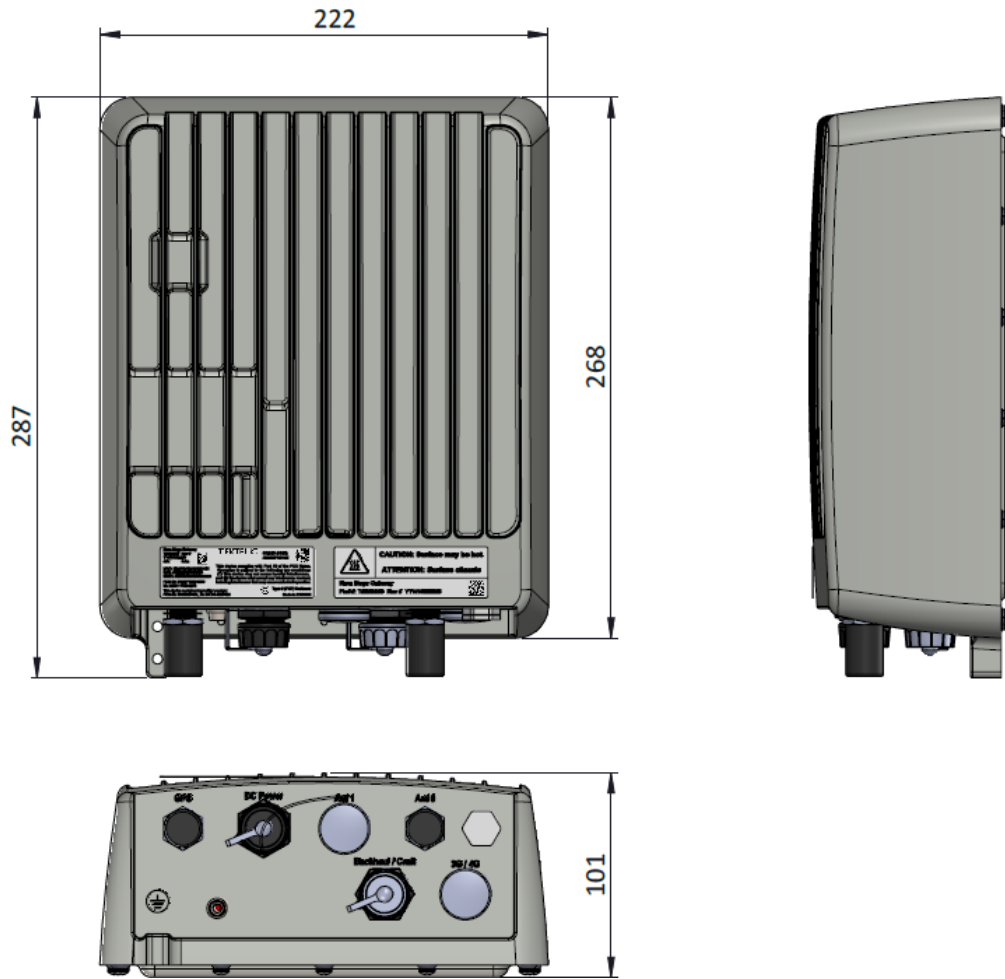


Figure 1: KONA Mega Gateway Dimensions

2 Regulatory Labeling

2.1 Label Design

The regulatory label design is specified in Figure 2. Label size is specified as 3.0 x 1.0 inches. The label will include:

- Part, Revision, Serial Number
- MAC Address, GW ID
- Order Code
- Gateway FCC ID, FCC mark
- IMEI, ICCID (where applicable)
- Modem FCC ID (where applicable)

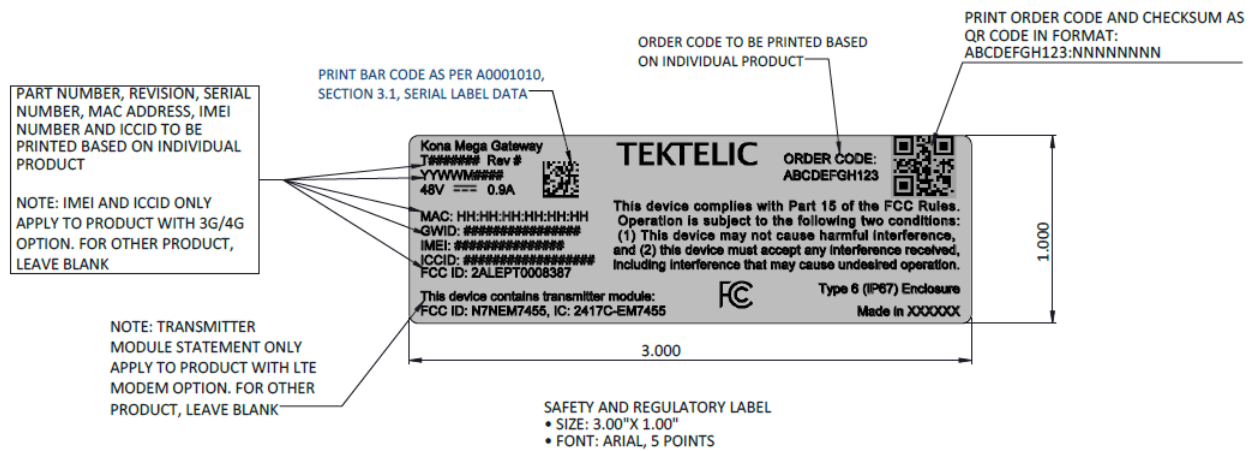


Figure 2: Regulatory Label Design

2.2 Label Location

The safety and regulatory label is to be affixed to the gateway in the location shown in Figure 3. All dimensions are given in mm.

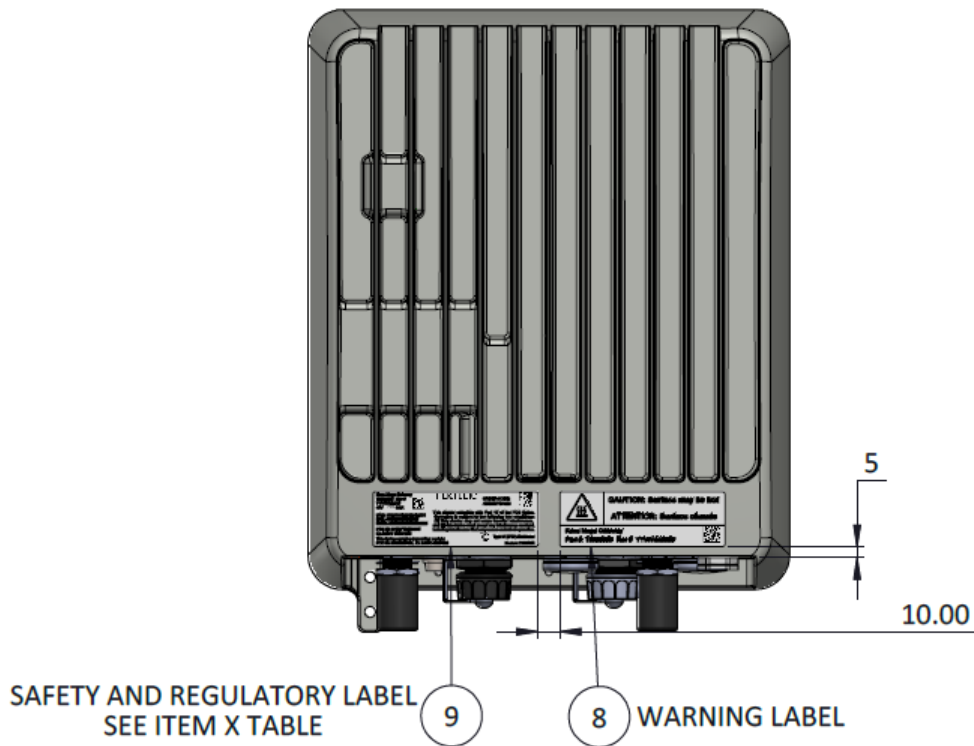





Figure 3: Regulatory Label Location



2.3 Label Variants

Each gateway in the T0008387 KONA Mega Gateway family (see Table 1) will have a regulatory label with variant specific information. The label variants are detailed below.




2.3.1 T0004978

<p>Kona Mega Gateway T0004978 Rev F1 YYWWM#### 48V  0.9A</p> <p>MAC: HH:HH:HH:HH:HH:HH GWID: #####</p> <p>FCC ID: 2ALEPT0008387</p>	<p>TEKTELIC</p> <p>ORDER CODE: ABCDEFGH123</p> <p></p>
<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p>	
<p></p>	
<p>Type 6 (IP67) Enclosure Made in XXXXXX</p>	




2.3.2 T0004982

<p>Kona Mega Gateway T0004982 Rev F1 YYWWM#### 48V == 0.9A</p> 	<h1>TEKTELIC</h1>	<p>ORDER CODE: ABCDEFGH123</p> 
<p>MAC: HH:HH:HH:HH:HH:HH GWID: #####</p> <p>FCC ID: 2ALEPT0008387</p>	<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p> 	<p>Type 6 (IP67) Enclosure Made in XXXXXX</p>


2.3.3 T0004988

<p>Kona Mega Gateway T0004988 Rev F1 YYWWM#### 48V == 0.9A</p> 	<h1>TEKTELIC</h1>	<p>ORDER CODE: ABCDEFGH123</p> 
<p>MAC: HH:HH:HH:HH:HH:HH GWID: #####</p> <p>FCC ID: 2ALEPT0008387</p>	<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p> 	<p>Type 6 (IP67) Enclosure Made in XXXXXX</p>


2.3.4 T0004992

<p>Kona Mega Gateway T0004992 Rev F1 YYWWM#### 48V == 0.9A</p> 	<h1>TEKTELIC</h1>	<p>ORDER CODE: ABCDEFGH123</p> 
<p>MAC: HH:HH:HH:HH:HH:HH GWID: #####</p> <p>FCC ID: 2ALEPT0008387</p>	<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p> 	<p>Type 6 (IP67) Enclosure Made in XXXXXX</p>




2.3.5 T0004996

<p>Kona Mega Gateway T0004996 Rev F1 YYWWM#### 48V == 0.9A</p> 	<h1>TEKTELIC</h1>	<p>ORDER CODE: ABCDEFGH123</p> 
<p>MAC: HH:HH:HH:HH:HH:HH GWID: #####</p> <p>FCC ID: 2ALEPT0008387</p>	<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p> 	<p>Type 6 (IP67) Enclosure Made in XXXXXX</p>

2.3.6 T0005000

<p>Kona Mega Gateway T0005000 Rev F1 YYWWM#### 48V == 0.9A</p> 	<h1>TEKTELIC</h1>	<p>ORDER CODE: ABCDEFGH123</p> 
<p>MAC: HH:HH:HH:HH:HH:HH GWID: #####</p> <p>FCC ID: 2ALEPT0008387</p>	<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p> 	<p>Type 6 (IP67) Enclosure Made in XXXXXX</p>




2.3.7 T0005004

<p>Kona Mega Gateway T0005004 Rev F1 YYWWM#### 48V == 0.9A</p> 	<h1>TEKTELIC</h1>	<p>ORDER CODE: ABCDEFGH123</p> 
<p>MAC: HH:HH:HH:HH:HH:HH GWID: #####</p> <p>FCC ID: 2ALEPT0008387</p>	<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p> 	<p>Type 6 (IP67) Enclosure Made in XXXXXX</p>

2.3.8 T0005006

<p>Kona Mega Gateway T0005006 Rev F1 YYWWM#### 48V == 0.9A</p> 	<h1>TEKTELIC</h1>	<p>ORDER CODE: ABCDEFGH123</p> 
<p>MAC: HH:HH:HH:HH:HH:HH GWID: ##### IMEI: ##### ICCID: ##### FCC ID: 2ALEPT0008387</p>	<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p>	
<p>This device contains transmitter module: FCC ID: N7NEM7455, IC: 2417C-EM7455</p>		<p>Type 6 (IP67) Enclosure Made in XXXXXX</p>

2.3.9 T0005008

<p>Kona Mega Gateway T0005008 Rev F1 YYWWM#### 48V == 0.9A</p> 	<h1>TEKTELIC</h1>	<p>ORDER CODE: ABCDEFGH123</p> 
<p>MAC: HH:HH:HH:HH:HH:HH GWID: ##### FCC ID: 2ALEPT0008387</p>	<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p>	
		<p>Type 6 (IP67) Enclosure Made in XXXXXX</p>

2.3.10 T0005010

<p>Kona Mega Gateway T0005010 Rev F1 YYWWM#### 48V == 0.9A</p> 	<h1>TEKTELIC</h1>	<p>ORDER CODE: ABCDEFGH123</p> 
<p>MAC: HH:HH:HH:HH:HH:HH GWID: ##### IMEI: ##### ICCID: ##### FCC ID: 2ALEPT0008387</p>	<p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p>	
<p>This device contains transmitter module: FCC ID: N7NEM7455, IC: 2417C-EM7455</p>		<p>Type 6 (IP67) Enclosure Made in XXXXXX</p>