

## About the MultiConnect Conduit IP67 Base Station

MultiTech's Conduit IP67 Base Station is a ruggedized IoT gateway solution, specifically designed for outdoor LoRa public or private network deployments. The Conduit IP67 Base Station resists the harshest environmental factors including moisture, dust, wind, rain, snow and extreme heat.



### Conduit IP67 Base Station Ordering Options

Ordering Part Number	Description	Region
MTCDTIP-L4G1-266A-868.R3	LTE Cat 4 mPower Conduit IP67 Base Station 8-channel, 868 MHz , with MTAC-003E00 and Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 2 cellular antennas, 1 GNSS antenna	Global
MTCDTIP-L4G1-266A-915.R3	LTE Cat 4 mPower Conduit IP67 Base Station 8-channel, 915 MHz , GNSS with MTAC-003U00 and Accessory Kit - Assesory Kit: Mounting bracket kit, 1 LoRa antenna, 2 cellular antennas, 1 GNSS antenna	
MTCDTIP-266A-868.R3	Ethernet-only mPower Conduit IP67 Base Station 8-channel, 868 MHz , GNSS with MTAC-003E00 and Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 1 GNSS antenna	
MTCDTIP-266A-915.R3	Ethernet-only mPower Conduit IP67 Base Station 8-channel, 915 MHz , GNSS with MTAC-003U00 and Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 1 GNSS antenna	
MTCDTIP-L4G1-267A-868.R3	LTE Cat 4 mPower Conduit IP67 Base Station 8-channel, 868 MHz , GNSS+Wi-Fi/BT with MTAC-003E00 and Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 2 cellular antennas, 1 GNSS antenna, 1 Wi-Fi/BT antenna	
MTCDTIP-L4G1-267A-915.R3	LTE Cat 4 mPower Conduit IP67 Base Station 8-channel, 915 MHz , GNSS+Wi-Fi/BT with MTAC-003U00 and Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 2 cellular antennas, 1 GNSS antenna, 1 Wi-Fi/BT antenna	
MTCDTIP-267A-868.R3	Ethernet-only mPower Conduit IP67 Base Station 8-channel, 868 MHz , GNSS+Wi-Fi/BT with MTAC-003E00 and Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 1 GNSS antenna, 1 Wi-Fi/BT antenna	
MTCDTIP-267A-915.R3	Ethernet-only mPower Conduit IP67 Base Station 8-channel, 915 MHz , GNSS+Wi-Fi/BT with MTAC-003U00 and Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 1 GNSS antenna, 1 Wi-Fi/BT antenna	
MTCDTIP-L4N1-266A-915	LTE Cat 4 mPower Conduit IP67 Base Station 8-channel, 915 MHz , w/ GNSS and Accessory Kit (AT&T/Verizon) - Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 2 cellular antennas, 1 GNSS antenna	Canada United States
MTCDTIP-L4N1-267A-915	LTE Cat 4 mPower Conduit IP67 Base Station 8-channel, 915 MHz , w/ GNSS+WiFi/BT and Accessory Kit (AT&T/Verizon) - Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 2 cellular antennas, 1 GNSS antenna, 1 Wi-Fi/BT antenna	
MTCDTIP-267A-915	Ethernet only mPower Conduit IP67 Base Station 8-channel, 915 MHz , w/ GNSS+WiFi/BT and Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 1 GNSS antenna, 1 Wi-Fi/BT antenna	
MTCDTIP-266A-915	Ethernet only mPower Conduit IP67 Base Station 8-channel, w/ GNSS and Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 1 GNSS antenna, 1 Wi-Fi/BT antenna	
MTCDTIP-L4E1-267A-868	LTE Cat 4 mPower Conduit IP67 Base Station 8-channel, 868 MHz, w/ GNSS+Wi-Fi/BT and Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 2 cellular antennas, 1 GNSS antenna, 1 Wi-Fi/BT antenna	European Union United Kingdom
MTCDTIP-L4E1-266A-868	LTE Cat 4 mPower Conduit IP67 Base Station 8-channel, 868 MHz, w/ GNSS and Accessory Kit- Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 2 cellular antennas, 1 GNSS antenna	
MTCDTIP-267A-868	Ethernet only mPower Conduit IP67 Base Station 8-channel, 868 MHz, w/ GNSS+Wi-Fi/BT and Accessory Kit- Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 1 GNSS antenna, 1 Wi-Fi/BT antenna	
MTCDTIP-266A-868	Ethernet only mPower Conduit IP67 Base Station 8-channel, 868 MHz, w/ GNSS and Accessory Kit: Mounting bracket kit, 1 LoRa antenna, 1 GNSS antenna	

## Specifications

### L4G1 Base Station Specifications

Base Station specifications depend on the hardware configuration for your model.

Category	Description
<b>General</b>	
Performance	4G LTE FDD/TDD
	UMTS/HSPA+
	GSM/GPRS/EDGE
	USB Port with Type A Receptacle, USB Interface is CDC-ACM compliant
TCP/IP Functions	FTP, SMTP, SSL, TCP, UDP
Frequency Bands (MHz)	LTE TDD: B38/B39/B40/B41
	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/ B19/B20/B25/B26/B28
	WCDMA: B1/B2/B4/B5/B6/B8/B19
	GSM: B2/B3/B5/B8
<b>Speed</b>	
Data Speed	LTE FDD: Max 150 Mbps (DL)/Max 50 Mbps (UL)
	LTE TDD: Max 130 Mbps (DL)/Max 35 Mbps (UL)
	UMTS: DC-HSDPA: Max 42 Mbps (DL)
	UMTS: HSUPA: Max 5.76 Mbps (UL)
	UMTS: WCDMA: Max 384 Kbps (DL)/Max 384 Kbps (UL)
	GSM: EDGE: Max 296 Kbps (DL)/Max 236.8 Kbps (UL)
	GSM: GPRS: Max 107 Kbps (DL)/Max 85.6 Kbps (UL)
<b>Physical Description</b>	
Weight	<b>V1.5:</b> 5.15 lbs (2.34 kg)
Dimensions	Refer to Dimension Drawing.
<b>Environment</b>	
*Operating Temperature	-30° C to +70° C
Humidity	20%-90% RH, non-condensing
<b>Power Requirements</b>	
Input Power	Power over Ethernet (POE) 37-57 Volts DC.
Cable Support	M25AS-06 CAT 5 POE, 4.4mm-6.4mm diameter cable <b>Note:</b> CAT 6 / RJ45 cables are NOT compatible
<b>Certifications</b>	
Country Approval	FCC/ IC/ RED (EU)/ KCC (Korea)/ Radio Law (Japan)
Radio & EMC Compliance	FCC Part 15 Class B/IC Class B
	CE Mark, RED (EU)
	UKCA
	EN 55022:2010
	EN 301 489
	KCC
	Radio Law (Japan)

Category	Description
Safety Compliance	UL 60950-1 2nd Ed.
	UL 62368-1 2nd Ed
	IEC60950-1(EU)
	IEC 62368-1:2014 2nd Ed.
	CAN/CSA C22.2 No. 62368-1-14 2nd Ed
Telecom Approvals	AT&T / Verizon

\*Please consult with MultiTech if interested in extended temperatures.

## LoRa Specifications

Depending on the model, your device has one or two LoRa radios. If the model number includes -868/2 or -915/2, the device has two LoRa radios.

Category	Description
<b>General</b>	
Standards	LoRaWAN 1.0.2 specifications
Radio Frequency	915 MHz ISM band for US, AU, and Canada, 868 MHz for Europe, 865 MHz for India, 923 MHz for Japan, and 920 MHz for Korea
<b>Certifications and Compliance</b>	
EMC and Radio Compliance	EN 55032:2012
	RSS-210
	FCC 15.247
	FCC 15.109
	FCC 15.109(g)
	FCC 15.107
	ICES-003
	EN 61000-3-3:2013
	EN 61000-3-2:2006 (Amended by A1:2009 and A2:2009)
	EN 55022:2010
	EN 300 220-1 v3.1.1
	EN 300 220-2 v3.1.1
	EN 301 489-1 v2.2.0
EN301 489-3 V2.1.1 (2017-3)	
Safety Compliance	UL 60950-1 2nd ED
	cUL 60950-1 2nd ED
	IEC 60950-1 2nd Ed. Am.1 and Am.2
Environment	IEC/CSA/UL60950-22 and IP67

## L4E1-Base Station Specifications

Base Station specifications depend on the hardware configuration for your model.

Category	Description
<b>General</b>	
Performance	LTE FDD Cat 4, 3GPP release compliant
	HSPA+ 21 / GPS fallback
	USB Port with Type A Receptacle, USB Interface is CDC-ACM compliant
TCP/IP Functions	FTP, SMTP, SSL, TCP, UDP

Category	Description
Frequency Bands (MHz)	4G: B1, B3, B7, B8, B20, B28A
	3G: B1, B3, B8
	2G: B3, B8
<b>Speed</b>	
Data Speed	LTE 150 Mbps downlin/50 Mbps uplink
	HSPA+ 42 Mbps downlink
<b>Physical Description</b>	
Weight	<b>V1.5:</b> 5.15 lbs (2.34 kg)
Dimensions	Refer to Dimension Drawing.
<b>Environment</b>	
*Operating Temperature	-30° C to +70° C
Humidity	20%-90% RH, non-condensing
<b>Power Requirements</b>	
Input Power	Power over Ethernet 37-57 Volts DC.
<b>Certifications</b>	
Country Approval	RED (EU)
Radio & EMC Compliance	EN 55022:2010
	EN 301 489
Safety Compliance	UL 60950-1 2nd Ed.
	IEC60950-1(EU)

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## LoRa Specifications

Depending on the model, your device has one or two LoRa radios. If the model number includes -868/2 or -915/2, the device has two LoRa radios.

Category	Description
<b>General</b>	
Standards	LoRaWAN 1.0.2 specifications
Radio Frequency	915 MHz ISM band
<b>Certifications and Compliance</b>	
EMC and Radio Compliance - Europe	EN 61000-3-3:2013
	EN 61000-3-2:2006 (Amended by A1:2009 and A2:2009)
	EN 55022:2010
	EN 300 220-1 v3.1.1
	EN 300 220-2 v3.1.1
	RSS-210
	EN 301 489-1 v2.2.0
	EN301 489-3 V2.1.1 (2017-3)
	EN 55032:2012
Safety Compliance - Europe	IEC 60950-1 2nd Ed. Am.1 and Am.2
Environment	IEC/CSA/UL60950-22 and IP67

## L4N1 Base Station Specifications

Base Station specifications depend on the hardware configuration for your model.

Category	Description
<b>General</b>	
Standards	LTE FDD Cat4, 3GPP release compliant
	HSPA+ 21/GPRS fallback
	USB Port with Type A Receptacle, USB Interface is CDC-ACM compliant
TCP/IP Functions	FTP, SMTP, SSL, TCP, UDP
Frequency Bands (MHz)	4G: B2, B4, B5, B12, B13, B14, B66, B71
	3G: B2, B4, B5
<b>Speed</b>	
Data Speed	LTE FDD: Max 150 Mbps (DL)/Max 50 Mbps (UL)
	HSPA+ : Max 42 Mbps (DL)
<b>Physical Description</b>	
Weight	<b>V1.5:</b> 5.15 lbs (2.34 kg)
Dimensions	Refer to Dimension Drawing.
<b>Environment</b>	
*Operating Temperature	-30° C to +70° C
Humidity	20%-90% RH, non-condensing
<b>Power Requirements</b>	
Input Power	Power over Ethernet 37-57 Volts DC.
<b>Certifications</b>	
Country Approval	FCC/ IC
Radio & EMC Compliance	FCC Part 15 Class B/IC Class B
	FCC Part 22H, 24E, 27, 90
Safety Compliance	UL 60950-1 2nd Ed.
	cUL 60950-1 2nd Ed
Environment	IEC/CSA/UL60950-22 and IP67
Telecom Approvals	AT&T / Verizon

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## LoRa Specifications

Depending on the model, your device has one or two LoRa radios. If the model number includes -868/2 or -915/2, the device has two LoRa radios.

Category	Description
<b>General</b>	
Standards	LoRaWAN 1.0.2 specifications
Radio Frequency	915 MHz ISM band
<b>Certifications and Compliance</b>	

Category	Description
EMC and Radio Compliance - North America	RSS-210
	EN 301 489-1 v2.2.0
	FCC 15.247
	FCC 15.109
	FCC 15.109(g)
	FCC 15.107
	ICES-003
Safety Compliance - North America	UL 60950-1 2nd ED
	cUL 60950-1 2nd ED
Environment	IEC/CSA/UL60950-22 and IP67

### Contact Information

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