

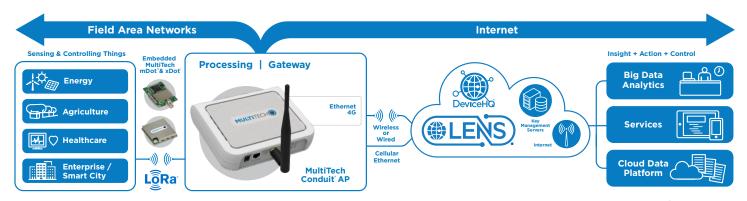
MultiTech Conduit AP harnesses the power of the LoRaWAN protocol to provide in-building penetration and connectivity to thousands of IoT assets. Easy to deploy, the Conduit AP extends LoRa connectivity in commercial buildings like hotels, convention centers, offices and retail facilities providing coverage in difficult to reach areas cell tower or rooftop deployments may not penetrate.

The Conduit AP offers a development environment for developers and IT professionals alike. mPower™ Edge Intelligence features an easy-to-use graphical interface set-up and includes a built-in LoRa Network Server and Packet Forwarder to connect locally clustered assets on a private LoRaWAN network directly to your choice of IoT data platforms. The mPower extends complex processing to the edge to reduce upstream communication and operational costs. The Conduit AP provides Ethernet or optional 4G-LTE IP backhaul.

- level agreements for LoRa
- Affordable LoRa connectivity in or around commercial buildings
- Quick & easy to deploy
- Carrier approved

FEATURES

- Ethernet RJ-45 10/100 BaseT for IP backhaul
- Optional 4G-LTE IP backhaul
- Multiple power options serve a variety of applications
- Models available with external LoRa antenna for improved performance
- Built-in LoRa Network Server and Packet Forwarder





Programmable embedded software provides enhanced security and enables task execution at the edge for reduced latency and cost optimization.

mPower™ Edge Intelligence embedded software delivers programmability, network flexibility, enhanced security and manageability for scalable Industrial Internet of Things (IIoT) solutions.

mPower simplifies integration with a variety of popular upstream IoT platforms to streamline edge-to-cloud data management and analytics, while also providing the programmability and processing capability to execute critical tasks at the edge of the network to reduce latency; control network and cloud services costs, and ensure core functionality – even in instances when network connectivity may not be available.

mPower software specifications can be found **here**.

LENS* Embedded Network Server & Key Management Toolset for LoRaWAN* Networks

LENS is a hybrid LoRaWAN* network management platform that enables deployment and management of LoRaWAN networks at scale. Designed for private and enterprise networks, LENS provides a site-by-site user account and centralized management for LoRa* end devices, as well as configuration and control of Conduit* gateways. LENS has the capability to assign unique access rights to individual users, add gateways and LoRa end nodes in bulk, or create separate organizations and network segmentation to support different IoT use cases or applications.





Cloud-based Application Store and IoT Device Management

MultiTech DeviceHQ* is cloud-based tool set for managing the latest generation of MultiTech devices. It incorporates all the functionality of MultiTech Device Manager, on which so many M2M and IoT applications already rely for remote monitoring, upgrades and configuration of entire device populations – whether one or 1 million. DeviceHQ takes remote device management and maintenance to a new level, by providing an application marketplace, allowing users to browse applications or build their own then easily deploy them to and customize them for remote devices from anywhere.



HARDWARE SPECIFICATIONS

Performance AG-LTE Category Fallback 3G - HSPA	Models	MTCAP-LNA3-915 /	MTCAP2-LNA3-915	MTCAP-915 / MTCAP2-915
Fallback 3G - HSPA+ No Fallback ABS 221900. B4 (AWS) 7000. B4	Mobile Network Operator	AT&T, T-Mobile**	Verizon	Non-Cellular
AGE R2(1900) B3(650)	Performance	4G-LTE C	ategory 1	
Processor & Memory	Fallback	3G - HSPA+	No Fallback	
Imput Voltage 5 VDC 2.5A input provided by 100-240 VAC 50/60 Hz 0.4A external adaptor input Voltage (POE Models) Ethernet Input Power: 37 - 57 VDC provided by PEG Injector with power rating of 25W or greater (POE Models)	Frequency Band (MHz)	B4(AW\$1700), B5(850), B12/B13(700)	B4(AW\$1700),	N/A
Ethernet Input Voltage (PGE Models) Processor & Memory ARM9 processor with 32-Bit APM & 16-Bit Thumb instruction sets - 400 MHz - 16K Instruction Cache - 128 Mid DDR RAM Bestiman Output Power (MTCAP Models) ARM9 processor with 32-Bit APM & 16-Bit Thumb instruction sets - 400 MHz - 16K Instruction Cache - 128 Mid DDR RAM Bestiman Output Power (MTCAP Models) Channel Capacity LoRa Spacetifeations LORA Baximum Output Power (MTCAP Models) ARM9 processor with 32-Bit APM & 16-Bit Thumb instruction sets - 180 Nota Cache - 128 Mid DDR RAM Bestiman Output Power (MTCAP Models) Channel Capacity LORA Baximum Output Power (MTCAP Models) Connectors Power - 2.5mm, 5 Volt power jack Ethernet SIM - 37F Micro SIM - 37F	Packet Data (LTE FDD)	Up to 10 Mbps downlin	k, Up to 5 Mbps uplink	
Inclusive Modes Power over Ethernet Standard (POE Models) S VDC 2.5A input provided by 100-240 VAC 50/60 Hz 0.4A external adaptor IEEE 802.3at	Input Voltage	5 VDC 2.5A input	provided by 100-240 VAC 50/60 Hz 0.4A	external adaptor
ARM9 processor with 32-Bit ARM & 16-Bit Thumb instruction sets + 400 MHz + 400 MHz + 16K Data Cache + 256 MB Flash Memory + 16K Instruction Cache + 128XI6M DDR RAM + 128XI6	Input Voltage (PoE Models)	or		
LORA Specifications LORA Frequency Band LORA Channel Pian Channel Capacity LORA Maximum Output Power (MTCAP Models) CORDINATION OF THE PROPERTY OF CONTRIBUTION OF CONTRI	Power over Ethernet Standard (PoE Models)			
LoRa Frequency Band LoRa Channel Plan LoRa Channel Plan LoRa Maximum Output Power (MTCAP Models) Someotors Power 2.5mm, 5 Volt power jack Ethernet RJ45 Ethernet jack (10/100 port) SIM 3FF Micro SIM N/A Antennas (-041A & 042A Models) LoRa: reverse polarity female SMA / Cellular: No external antenna connection. Internal only Physical Description Dimensions (L x W x H) 165 (6.5) x 135 (5.3) x 36 (1.4) mm (in) Weight 1.5 kg (3.3 ibs) Chassis Type PC-ABS (polycarbonate-ABS) Environmental Operating Temperature OPERATING Temperature Relative Humidity 20% to 90%, non-condensing Certifications EMC Compliance United States: FCC Part 22H, Part 24E, Part 27, FCC Part 15B / Canada; ICES-003 Class B Radio Compliance Safety Uniced States: FCC Part 22H, Part 24E, Part 27, FCC Part 15B / Canada; ISED, RSS-247 Issue 2 (Canada), ICES-003 Issue 6 Safety Uniced States: FCC Part 22H, Part 24E, Part 27, FCC Part 15B / Canada; ISED, RSS-247 Issue 2 (Canada), ICES-003 Issue 6 Safety Uniced States: FCC Part 22H, Part 24E, Part 27, FCC Part 15B / Canada; ISED, RSS-247 Issue 2 (Canada), ICES-003 Issue 6 Safety Uniced States: FCC Part 24H, Part 27, FCC Part 15B / Canada; ISED, RSS-247 Issue 2 (Canada), ICES-003 Issue 6 Safety Uniced States: FCC Part 24H, Part 27, FCC Part 15B / Canada; ISED, RSS-247 Issue 2 (Canada), ICES-003 Issue 6 Safety Uniced States: FCC Part 25H, Part 27, FCC Part 15B / Canada; ISED, RSS-247 Issue 2 (Canada), ICES-003 Issue 6 Safety Uniced States: FCC Part 25H, Part 27, FCC Part 15B / Canada; ISED, RSS-247 Issue 2 (Canada), ICES-003 Issue 6 Safety Uniced States: FCC Part 25H, Part 27, FCC Part 15B / Canada; ISED, RSS-247 Issue 2 (Canada), ICES-003 Issue 6 Safety Uniced States: FCC Part 25H, Part 27, FCC Part 15B / Canada; ISED,	Processor & Memory	• 400 MHz	• 16K Data Cache • 256 MB	Flash Memory
LoRa Channel Plan Channel Capacity Chan	LoRa Specifications			
Channel Capacity LORA Maximum Output Power (MTCAP Models) Connectors Power 2.5mm, 5 Volt power jack Ethernet RJ45 Ethernet jack (10/100 port) SIM 3FF Micro SIM N/A Antennas (-041A & 042A Models) LORA: reverse polarity female SMA / Cellular: No external antenna connection. Internal only Physical Description Dimensions (L x W x H) 15 (6.5) x 135 (5.3) x 36 (1.4) mm (in) Weight Chassis Type PC-ABS (polycarbonate-ABS) Environmental Operating Temperature Storage Temperature Relative Humidity 20% to 90%, non-condensing Certifications EMC Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15 Class B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue (Safety Mobile Network Mobile Network Operator Approvals Additional Mobile Network Operator Fortifications Available (Contact MultiTech for Details) MIL-STD-8105: High Temp, Low Temp, Random Vibration. See 13455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	LoRa Frequency Band		915 MHz	
LORA Maximum Output Power (MTCAP Models) Maximum EIRP (includes external LoRa antenna): 25.7 dBm LORA Maximum Output Power (MTCAP Models) Maximum EIRP (includes external LoRa antenna): 27.8 dBm Connectors Power 2.5mm, 5 Volt power jack Ethernet RJ45 Ethernet jack (10/100 port) SIM 3FF Micro SIM N/A Antennas (-041A & 042A Models) LORa: reverse polarity female SMA / Cellular: No external antenna connection. Internal only Physical Description Dimensions (L x W x H) 155 (6.5) x 135 (5.3) x 36 (1.4) mm (in) Weight 155 kg (3.3 lbs) Chassis Type PC-ABS (polycarbonate-ABS) Environmental Operating Temperature Storage Temperature O° C to +70° C Storage Temperature Certifications EMC Compliance United States: FCC Part 15 Class B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada; ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/CUL 60950-1 / UL/CUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Sept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	LoRa Channel Plan	US915 (US902-928)		
MAXIMUM DOUBLE MAXIMUM DOUBLE MAXIMUM EIRP (Includes external Lora antenna); 23.7 dBM	Channel Capacity	8-channels (half-duplex)		
Connectors Power 2.5mm, 5 Volt power jack Ethernet RJ45 Ethernet jack (10/100 port) SIM 3FF Micro SIM N/A Antennas (-041A & 042A Models) LoRa: reverse polarity female SMA / Cellular: No external antenna connection. Internal only Physical Description Dimensions (L x W x H) 165 (6.5) x 135 (5.3) x 36 (1.4) mm (in) Weight 1.5 kg (3.3 lbs) Chassis Type PC-ABS (polycarbonate-ABS) Environmental Operating Temperature 0° C to +70° C Relative Humidity 20% to 90%, non-condensing Certifications EMC Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/CUL 60950-1 / UL/CUL 62368-1 Mobile Network Operator extirications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE JI.455: Transit Drop & Handling Drop, Random Vibration. Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-1: Dry Heat	LoRa Maximum Output Power (MTCAP Models)	Maximum EIRP (includes external LoRa antenna): 25.7 dBm		
Power 2.5mm, 5 Volt power jack Ethernet RJ45 Ethernet jack (10/100 port) SIM 3FF Micro SIM N/A Antennas (-041A & 042A Models) LoRa: reverse polarity female SMA / Cellular: No external antenna connection. Internal only Physical Description Dimensions (L x W x H) 165 (6.5) x 135 (5.3) x 36 (1.4) mm (in) Weight 1.5 kg (3.3 lbs) Chassis Type PC-ABS (polycarbonate-ABS) Environmental Operating Temperature Storage Temperature O° C to +70° C Storage Temperature PMC operating Temperature United States: FCC Part 15 Class B / Canada; ICES-003 Class B EMC Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada; ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	LoRa Maximum Output Power (MTCAP2 Models)	Maximur	n EIRP (includes external LoRa antenna): 2	27.8 dBm
Ethernet RJ45 Ethernet jack (10/100 port) SIM 3FF Micro SIM N/A Antennas (-041A & 042A Models) LoRa: reverse polarity female SMA / Cellular: No external antenna connection. Internal only Physical Description Dimensions (L x W x H) 165 (6.5) x 135 (5.3) x 36 (1.4) mm (in) Weight 1.5 kg (3.3 lbs) Chassis Type PC-ABS (polycarbonate-ABS) Environmental Operating Temperature 0° C to +70° C Storage Temperature 40° C to +85° C Relative Humidity 20% to 90%, non-condensing Certifications EMC Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/cUL 60950-1 / UL/cUL 62368-1 Mobile Network Operator Approvals PTCRB, AT&T, T-Mobile** Verizon N/A Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Connectors			
Antennas (-041A & 042A Models) Antennas (-041A & 042A Models) Dimensions (L x W x H) Weight Chassis Type PC-ABS (polycarbonate-ABS) Environmental Operating Temperature Operating Temperature Certifications EMC Compliance Radio Compliance United States: FCC Part 22H, Part 24E, Part 27, FCC Part 15B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27, FCC Part 15B / UL/cUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Power		2.5mm, 5 Volt power jack	
Antennas (-041A & 042A Models) LoRa: reverse polarity female SMA / Cellular: No external antenna connection. Internal only Physical Description Dimensions (L x W x H) Bit (5.5) x 135 (5.3) x 36 (1.4) mm (in) Weight 1.5 kg (3.3 lbs) Chassis Type PC-ABS (polycarbonate-ABS) Environmental Operating Temperature O° C to +70° C Storage Temperature -40° C to +85° C Relative Humidity Certifications EMC Compliance United States: FCC Part 15 Class B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/cUL 60950-1 / UL/cUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Ethernet		RJ45 Ethernet jack (10/100 port)	
Physical Description Dimensions (L x W x H) Dimensio	SIM	3FF Mid	cro SIM	N/A
Dimensions (L x W x H) 165 (6.5) x 135 (5.3) x 36 (1.4) mm (in) Weight 1.5 kg (3.3 lbs) Chassis Type PC-ABS (polycarbonate-ABS) Environmental	Antennas (-041A & 042A Models)	LoRa: reverse polarity fer	nale SMA / Cellular: No external antenna	connection. Internal only
Weight 1.5 kg (3.3 lbs) Chassis Type PC-ABS (polycarbonate-ABS) Environmental Operating Temperature 0° C to +70° C Storage Temperature -40° C to +85° C Relative Humidity 20% to 90%, non-condensing Certifications EMC Compliance United States: FCC Part 15 Class B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/CUL 60950-1 / UL/CUL 62368-1 Mobile Network Operator Approvals PTCRB, AT&T, T-Mobile** Verizon N/A Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Physical Description			
Chassis Type PC-ABS (polycarbonate-ABS) Environmental Operating Temperature O° C to +70° C Storage Temperature Relative Humidity Certifications EMC Compliance United States: FCC Part 15 Class B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/CUL 60950-1 / UL/CUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Dimensions (L x W x H)		165 (6.5) x 135 (5.3) x 36 (1.4) mm (in)	
Environmental Operating Temperature O° C to +70° C Storage Temperature -40° C to +85° C Relative Humidity 20% to 90%, non-condensing Certifications EMC Compliance United States: FCC Part 15 Class B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/cUL 60950-1 / UL/cUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) Quality MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Weight	1.5 kg (3.3 lbs)		
Operating Temperature Storage Temperature -40° C to +85° C Relative Humidity 20% to 90%, non-condensing Certifications EMC Compliance United States: FCC Part 15 Class B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/cUL 60950-1 / UL/cUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Chassis Type			
Storage Temperature -40° C to +85° C Relative Humidity 20% to 90%, non-condensing Certifications EMC Compliance United States: FCC Part 15 Class B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/CUL 60950-1 / UL/CUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Environmental			
Relative Humidity Certifications EMC Compliance United States: FCC Part 15 Class B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/CUL 60950-1 / UL/CUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Operating Temperature	0° C to +70° C		
Certifications EMC Compliance United States: FCC Part 15 Class B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/CUL 60950-1 / UL/CUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Storage Temperature	-40° C to +85° C		
EMC Compliance United States: FCC Part 15 Class B / Canada; ICES-003 Class B Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue 6 Safety UL/cUL 60950-1 / UL/cUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Relative Humidity			
Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue of UL/cUL 60950-1 / UL/cUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Certifications			
Radio Compliance United States: FCC Part 22H, Part 24E, Part 27. FCC Part 15B / Canada: ISED. RSS-247 Issue 2 (Canada). ICES-003 Issue of UL/cUL 60950-1 / UL/cUL 62368-1 Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	EMC Compliance	United State	es: FCC Part 15 Class B / Canada; ICES-	003 Class B
Safety Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) Quality MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	•		· · · · · · · · · · · · · · · · · · ·	
Mobile Network Operator Approvals Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) Quality PTCRB, AT&T, T-Mobile** Verizon N/A N/A Canada: Rogers, Bell Mobility, Telus N/A MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	·		· · · · · · · · · · · · · · · · · · ·	
Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details) Quality Canada: Rogers, Bell Mobility, Telus N/A MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Mobile Network	PTCRB, AT&T, T-Mobile**		N/A
Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat	Additional Mobile Network Operator Certifications Available (Contact MultiTech for Details)	Canada: Rogers, Bell Mobility, Telus		N/A
Warranty 2-Years - www.multitech.com/legal/warranty	Quality	MIL-STD-810G: High Temp, Low Temp, Random Vibration. SAE J1455: Transit Drop & Handling Drop, Random Vibration, Swept-Sine Vibration. IEC68-2-1: Cold Temp. IEC68-2-2: Dry Heat		
	Warranty	2-	Years - www.multitech.com/legal/warran	ty

^{*} Operating temperature excluding power supply. Power supply UL listed at 40C. ** T-Mobile approval on MTCAP-LNA3-915 only

POWER OPTIONS

Commercial buildings and retail facilities present unique installation challenges for installers, specifically in regards to the Access Point location and the availability of power. The Conduit AP offers models with several power options that overcome these challenges and simplify the installation process.

DC Power Adapter

All Conduit AP models are capable of being powered through the use of an external power adapter. Some models come packaged with a 100 - 240 VAC power adapter. Power over Ethernet models do not include a power adapter, but one can be purchased separately. Conduit AP DC-powered models must always be located near an DC wall outlet.

PoE Power

Select Conduit AP models have the added feature of being powered through the Ethernet connector using a Power over Ethernet injector (available separately) or through the customers industrial enterprise router. In both cases, the Conduit AP is a PoE powered device (PD) and requires a PoE injector or industrial enterprise router capable of delivering 37 - 57 VDC with a power rating of 25W or higher. Conduit AP PoE models do not have the mounting limitations of DC-powered models, unless being powered using a 100 - 240 VAC power adapter (available separately) instead of using PoE power.

ORDERING INFORMATION

MultiTech Conduit® AP 4G LTE Models

Model	Description	Region
MTCAP2-LNA3-915-042A-POE	LTE Cat 1 mPower Programmable Access Point 8-channel, 915 MHz, external LoRa antenna, Power over Ethernet and Accessory Kit #1 (AT&T & Verizon)	NAM
MTCAP-LNA3-915-041A	LTE Cat 1 mPower Programmable Access Point 8-channel, 915 MHz, external LoRa antenna, DC power and Accessory Kit #2 (AT&T, T-Mobile, Verizon)	NAM

MultiTech Conduit® AP Ethernet Only Models

Model	Description	Region
MTCAP2-915-042A-POE	Ethernet Only mPower Programmable Access Point 8-channel, 915 MHz, external LoRa antenna, Power over Ethernet and Accessory Kit #1	NAM
MTCAP-915-041A	Ethernet Only mPower Programmable Access Point 8-channel, 915 MHz, external LoRa antenna, DC power and Accessory Kit #2	NAM

Accessory Kit Overview

Description	Accessory Kit #1	Accessory Kit #2
Power Supply with Region-Specific Blades		•
LoRa Antenna	•	•
Ethernet Cable	•	•
Mounting Bracket	•	•
Quick-Start Guide	•	•

ADDITIONAL ACCESSORIES

Ordering Part Number	Description	Region
PS-5VCB-SBC-U-Global	100-240VAC/5VDC Power Supply w/Push-on Barrel and region-specific power blades (US, UK, EU, AU/NZ) • Replacement power supply (-041 models only) • Accessory for non-PoE applications (-042 models)	Global
AN868-915A-1HRA	868-915 MHz RP-SMA Antenna, 8" (3.0 dBi) • Replacement LoRa antenna (-041 and -042 models only)	Global
CA-RJ-45	Ethernet Cable (RJ-45, 6 ft) • Replacement Ethernet Cable	Global
PS-56V-POE-NAM-1	Power over Ethernet Injector • Single Port 30W Power over Ethernet Transformer with NAM Power Cord • Accessory for PoE models (-042 models)	NAM

Go to www.multitech.com for detailed product model numbers.

• Also available in 5-packs

Services & Warranty

MultiTech's comprehensive Support Services programs offer a full array of options to suit your specific needs. These services are aimed at protecting your investment, extending the life of your solution or product, and reducing total cost of ownership. Our seasoned technical experts, with an average tenure of more than 10 years, can walk you through smooth installations, troubleshoot issues and help you with configurations.

Technical Support Services

At MultiTech, we're committed to providing you personalized attention and quality service while providing you a quick response to your product support needs. We have several options of support for you to choose from.

For additional information on Support Services as well as other service offerings, please contact your MultiTech representative or visit www.multitech.com/support.go



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