

Worldwide Product Announcement

MultiTech Conduit® AP Access Point

New Ordering Part Numbers with Power over Ethernet (PoE) Option



Date: January 7, 2021

I. Summary

MultiTech announces new ordering part numbers for the Conduit® AP Access Point. These new models have the option of being powered by a DC power supply or Power over Ethernet (PoE).

Large retail and office applications can take advantage of PoE power when installing the Conduit AP, allowing the access point to be located in a wider variety of locations without the limitation of existing power outlets or the additional cost of running electrical service to new locations. A PoE-Injector, uninterruptible power supply (UPS), or enterprise router/switch capable of delivering PoE power can be used to power the Conduit AP using standard Cat 5e or Cat 6 cabling with RJ-45 connectors.

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II. Suggested Action Plan

To help facilitate the launch of the new Conduit AP Access Points, we recommend the following actions be taken:

- Forward this announcement to others within your organization who are actively involved in the sale or support of programmable gateways and access points.
- Ensure that the new ordering part numbers, descriptions, and prices are loaded in your pricing system. Update your website, quoting tools, and other sales tools.
- Place initial stocking orders for the new ordering part numbers.
- Notify existing Conduit AP access point customers that a new model with a PoE option is available and suggest they evaluate this new capability with their custom application.

III. Product Description

The Conduit AP is an indoor access point, ideal for commercial environments (e.g., hotels, offices, retail facilities) to deepen LoRa coverage in difficult to reach places where cell tower or rooftop deployments may not perform as well.

The Conduit AP access point is part of the MultiTech Conduit product portfolio, the industry’s most configurable, manageable, and scalable communications gateways for industrial IoT applications. Network engineers can remotely configure and optimize their Conduit performance through DeviceHQ®, the world’s first IoT Application Store and Device Management platform.

The award-winning Conduit series comes in three variants designed to address specific IoT gateway use cases:

- **Conduit:** Indoor industrial gateway, ideal for environments that require metal casing for protection against particles and debris and require an industrial temperature range.
- **Conduit IP67 Base Station:** Outdoor IP67-rated gateway ideal suited for performing in harsh environments such as rain, snow, extreme heat, and high winds.
- **Conduit AP Access Point:** Indoor access point ideal for commercial environments (e.g., hotels, offices, retail facilities) to deepen LoRa coverage in difficult to reach places where cell tower or rooftop deployments may not perform as well.

IV. Key Dates

Production starting in February 2021 for all models included in this announcement.

V. Product Comparison

The new Conduit AP access point model numbers can either be powered by Power over Ethernet (PoE) or 5VDC power.

- Original Conduit AP model numbers (MTCAP) include a DC Power Supply and can only be powered by 5VDC power.
- New Conduit AP model numbers (MTCAP2) do not include a 5VDC Power Supply or PoE Power Adapter. These are available separately as an accessory.
- When the Conduit AP is powered using PoE, there is no need to install additional electrical service or outlets to the device location.

	MTCAP Models	MTCAP2 Models
Power Options	5VDC Power Supply	Power over Ethernet 5VDC Power Supply
DC Power Supply	Included	Available Separately
PoE Adapter	Not Available	Available Separately

VI. New Ordering Part Numbers

MultiTech announces a number of new ordering part numbers to our Conduit AP product family:

New Ordering Part Number	Description	Region
Conduit® AP Access Point		
MTCAP2-L4E1-868-002A-POE	LTE Category 4 mPower Programmable Access Point 8-channel, 868 MHz w/internal LoRa antenna, Power over Ethernet and EU/UK Accessory Kit (Europe)	Euro/GB
MTCAP2-L4E1-868-042A-POE	LTE Category 4 mPower Programmable Access Point 8-channel, 868 MHz w/external LoRa antenna, Power over Ethernet and EU/UK Accessory Kit (Europe)	Euro/GB
MTCAP2-LNA3-915-042A-POE	LTE Category 1 mPower Programmable Access Point 8-channel, 915 MHz w/external LoRa antenna, Power over Ethernet and US Accessory Kit (AT&T, Verizon)	North America
MTCAP2-868-002A-POE	Ethernet Only mPower Programmable Access Point 8-channel, 868 MHz w/internal LoRa antenna, Power over Ethernet and EU/UK Accessory Kit	Euro/GB
MTCAP2-868-042A-POE	Ethernet Only mPower Programmable Access Point 8-channel, 868 MHz w/external LoRa antenna, Power over Ethernet and EU/UK Accessory Kit	Euro/GB
MTCAP2-915-042A-POE	Ethernet Only mPower Programmable Access Point 8-channel, 915 MHz w/external LoRa antenna, Power over Ethernet and US Accessory Kit	North America

Accessory Kits Include: LoRa antenna (-042A models only), Ethernet cable, mounting bracket, and quick start guide. Conduit AP model numbers (MTCAP2) do not include a DC Power Supply or PoE Power Adapter. These are available separately as an accessory.

Product specifications are subject to change without notice.

MTCAP2 models are encryption items. U.S. Export Administration Regulations have special restrictions on the export of encryption items; please refer to these regulations. Any export of commodities, technology, or software must be exported from the United States in accordance with the Export Administration Regulations. Export or diversion contrary to U.S. law is prohibited.

VII. Accessories (sold separately)

MultiTech offers a number of accessories for use the Conduit AP access point. These accessories are already available in the MultiTech Price Book and are listed here for your convenience:

Ordering Part Number	Description	Region
PS-5VCB-SBC-U-Global	100-240VAC/5VDC Power Supply w/Push-on Barrel <ul style="list-style-type: none"> • Includes region-specific power blades (US, UK, EU, AU/NZ) • Replacement power supply (MTCAP models) • Accessory for non-PoE applications MTCAP2 models) 	Global
PS-56V-POE-NAM-1	Power over Ethernet Injector <ul style="list-style-type: none"> • Single Port 30W Power over Ethernet Transformer with NAM Power Cord • Accessory for PoE models (MTCAP2-042 models) • Also available in 5-packs 	North America
PS-56V-POE-EU-1	Power over Ethernet Injector <ul style="list-style-type: none"> • Single Port 30W Power over Ethernet Transformer with EU Power Cord • Accessory for PoE models (MTCAP2-042 models) • Also available in 5-packs 	Europe
PS-56V-POE-GB-1	Power over Ethernet Injector <ul style="list-style-type: none"> • Single Port 30W Power over Ethernet Transformer with GB Power Cord • Accessory for PoE models (MTCAP2-042 models) • Also available in 5-packs 	United Kingdom
AN868-915A-1HRA	LoRa Antenna <ul style="list-style-type: none"> • 868-915 MHz RP-SMA Antenna, 8" (3.0 dBi) • Replacement LoRa antenna (-041, -042 and -043 models) 	Global
CA-RJ-45	Ethernet Cable (RJ-45, 6 feet) <ul style="list-style-type: none"> • Replacement Ethernet Cable • Supports Power over Ethernet 	Global

Product specifications are subject to change without notice.

VIII. Warranty and Support

Two-Year Product Warranty

All MultiTech products include a two-year warranty that includes on-line technical support, 24-hour website support and ftp support.

Extended Warranty Services

To give your customers peace-of-mind and protect their investment, our Extended Warranty Service Plans ensure MultiTech products are covered for one-, two-, or three-years beyond the two-year manufacturer's warranty.

For a complete list of extended warranty part numbers, descriptions and prices, please consult the price addendum.

IX. Additional Information

If you have any questions or require additional information on this Worldwide Product Announcement, please contact your MultiTech sales representative or visit the technical resources listed below:

World Headquarters – U.S.

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MultiTech Website: www.multitech.com

MultiTech Developer Site: www.multitech.net

MultiTech Support Portal: <https://support.multitech.com/support/login.html>