

1. KMC COMMANDER BASE PACKAGE



KMC Commander® is a next-generation IoT (Internet of Things) solution that connects your building and other devices to the cloud and provides meaningful data in real-time to your PC or mobile device. Built with Intel inside, the Advantech UNO-420 hardware includes a plug-in PoE (Power over Ethernet) power supply, two Ethernet ports, DIN-rail mounting, and a rugged, fanless design.

The base package includes Wi-Fi connectivity and an antenna that are used for setup (and then normally turned off). Optionally, Wi-Fi can be used during normal operation for network connection in either Client or AP mode.

NOTE: Click on P/Ns for ordering and additional information

Wi-Fi | [CMDR-ADVT-WIFI-BASE](#)

In addition to an antenna for Wi-Fi connection, the base package includes the following items:

- PoE Power Supply | [CMDR-D3-PWR-POE](#)
- DIN Rail Mount | [CMDR-ADVT-DINMT](#)

NOTE: Purchase a license for the appropriate number of points (Step 2) and any accessories (Step 3).

NOTE: If desired, a third-party 10–30 VDC power supply can be used (with the supplied terminal block) instead of the included PoE (Power over Ethernet) supply. For additional questions, see Step 4.

2. POINT LICENSING

Select the number of points as required for your project's size.

Point licensing includes 1 year of software and security updates. Annual renewal licenses are available after 1 year to continue receiving these updates.

A **point** is a device data point that is alarmed, scheduled, trended, or used in control logic (such as temperature, humidity, voltage, setpoints, operation mode, and open/closed switch status). Not all points in a controller will be points of interest. Points manually selected to be continuously tracked count as points of interest and are licensed as such.

Each point of interest being pulled from a device uses 1 license point. For example, 60 controllers gathering 8 points of interest each would need a total of 480 license points. A 500 point license would cover this amount and provide room for small future additions to the project.

250 Points	CMDR-LIC-000250
500 Points	CMDR-LIC-000500
1,000 Points	CMDR-LIC-001000
2,500 Points	CMDR-LIC-002500
5,000 Points	CMDR-LIC-005000
10,000 Points	CMDR-LIC-010000

NOTE: For renewals after the first year, see the [Data Sheet](#).

3. ADDITIONAL ACCESSORIES

Optionally select any accessories useful for your project.

PoE Power Supply (Replacement) [CMDR-D3-PWR-POE](#)

Enclosure, Steel, with Locking Door

- 16 x 18 x 6 inches [HCO-1034](#)
- 20 x 24 x 6 inches [HCO-1035](#)
- 24 x 36 x 6 inches [HCO-1036](#)

Antenna Extension Cables

- 3-foot cables (set of two) [CMDR-ANT-EXT-3](#)
- 15-foot cables (set of two) [CMDR-ANT-EXT-15](#)

Ethernet Patch Cable

- 50-foot cable [HSO-9001](#)
- 50-foot cable, plenum-rated [HSO-9011](#)
- 75-foot cable, plenum-rated [HSO-9012](#)

MS/TP-to-Ethernet IP BACnet Router [BAC-5051E](#)

KMDigital-to-BACnet Translator [KMD-5551E](#)

4. ADDITIONAL INFORMATION AND FREQUENTLY ASKED QUESTIONS

See below for finding the information you need!

Where can I see case studies of how KMC Commander has been used? See the [KMC Commander Solutions](#) page.

What videos are available? See the [KMC Commander playlist](#) on the KMC Controls channel on YouTube.

How is KMC Commander installed and configured? See the [Installation Guide](#).

What IT information is required before installation? Log into the KMC Controls web site and see the [KMC Commander IT/Network Information Technical Bulletin](#).

How do I administer a KMC Commander project? Log into the KMC Controls web site and see the [KMC Commander \(Cloud\) System Administration Application Guide](#).

For all the following questions, see the [Data Sheet](#):

- Why does the Base Package need Wi-Fi?
- What is a Points (of Interest) License?
- How does licensing work?
- What is the Commander Cloud Service?
- What communication protocols does KMC Commander support?



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