



Attention: Application Examiner
Subject: Model – UMA Series
Applicant: Inovonics Corporation

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FCC ID: HCQUMA
IC ID: 2309A-UMA03
HVIN: 00082-03

Family Matrix for UMA Series

This device will function as either a DSS Device or a Hybrid Device, depending on the firmware loaded. The hardware will remain consistent across all variants, with only the firmware determining the communication method used. The firmware will be pre-loaded at the factory and cannot be altered by the end user. There will be nine variants at the BOM level for the UMA, all utilizing the same motherboard but with differing BOM configurations. These variants are:

1. EN1210
2. EN1210W
3. EN1212
4. EN1215EOL
5. EN1215WEOL
6. EN1216
7. EN1501
8. EN1721
9. EN1723

These nine BOM variants will result in a total of 16 different configurations listed in the family matrix below, with their firmware versions:

From EN1210 BOM Configuration:

- EN1210: Single Input Universal
- EN1210-60: Single Input Universal
- EN1210-240: Single Input Universal
- EN1210EOL: Single Input Universal

From EN1210W BOM Configuration:

- EN1210W: Door/Window
- EN1210W-60: Door/Window

From EN1212 BOM Configuration:

- EN1212: Dual Input Universal
- EN1212-60: Dual Input Universal



From EN1215EOL BOM Configuration:

- EN1215EOL: Universal with Wall Tamper

From EN1215WEOL BOM Configuration:

- EN1215WEOL: Door/Window with Wall Tamper and EOL

From EN1216 BOM Configuration:

- EN1216: Dual Input Universal with Wall Tamper

From EN1501 BOM Configuration:

- EN1501: Pulse Meter Transmitter

From EN721 BOM Configuration:

- EN1721: Integrated Temperature/Humidity Transmitter

From EN1723 BOM Configuration:

- EN1723: Dual Input Temperature Transmitter
- EN1751: Water Detector
- EN1752: Temperature Detector

Models that have a -60 or -240 with the original name have the same firmware, the only difference between them is configured through the non-volatile memory map (NVMM), which sets parameters such as the device check-in interval to meet UL 2560 system requirements. Each of the above-mentioned variants will either be DSS or Hybrid. This will be loaded at the factory and will not be able to be changed by the customer. Firmware builds do not impact RF performance. All UMA products share identical RF characteristics and meet the same performance standards, regardless of firmware configuration.

- All Hybrid UMA models will have firmware version number: 1.0.0.1
- The EN12XX and EN1501 DSS models have firmware version number: 1.0.13.4.
- The EN172X DSS models have firmware version number: 1.0.17.8.
- The EN175X DSS models have firmware version number: 1.0.14.5



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