Onyxx-XM34IO

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What is the Onyxx® XM 34IO?

The Onyxx XM 34IO is an ancillary addition to the JENEsys Edge 534 or the Onyxx XM 34IO-B. It provides additional points that cluster with the JENEsys Edge 534 or Onyxx XM 34IO-B's collection of points. Up to 8 Onyxx XM 34IO modules may be daisy chained in sequence to provide a maximum of 128 Universal Input points, 80 Analog Output points and 64 Digital Output points. When including the available points from a JENEsys Edge 534 module or an Onyxx XM 34IO-B module, a total of 306 points are realized.

Who are typical users of the Onyxx XM 34IO?

Integrators, Equipment Manufacturers, Controls Contractors, Facility Managers, Small Building Operators -- anyone who requires extending 34 points of IO with a JENEsys Edge 534 controller or an Onyxx XM 34IO-B module connected to a JENE or JACE controller.
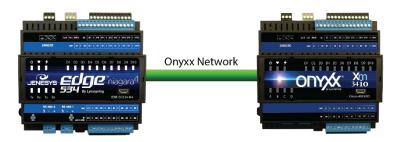
What business/use cases does the Onyxx XM 34IO resolve?

Extends IO for Onyxx Network capable devices (JENEsys Edge 534 and Onyxx XM 34IO-B)

What are the features of the Onyxx XM 34IO?

The Onyxx XM 34IO extends 34 points to an Onyxx-capable controller. It can be added to an Onyxx XM 34IO-B with up to 8 additional extender modules (at 34 points of IO each) for a maximum of 306 points. With a footprint of only 4.5" x 4.25" x 2.25", the extremely compact, modular design allows versatility in various combinations of IO.

What are the benefits of the Onyxx XM 34IO?

Note: Add to a JENE-EG534, up to 8 additional Onyxx-XM34IO extender modules (at 34 points of IO each) for a maximum of 306 points.

Note: Connect up to 8 additional Onyxx-XM34IO extender modules (at 34 points of IO each) to an Onyxx-XM34IO-B for a maximum of 306 points.

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License model add-ons?

The Onyxx XM 34IO requires an Onyxx Network module (onyxxDriver). Point Adders can be used to go beyond the global capacity limit of 100 points.

Is the Onyxx XM 34IO easy to install?

Absolutely. A dedicated 24Vac power source is required. The Onyxx Network is connected between a JENEsys Edge 534 and a JENE (JACE) controller with a three-wire cable. Using the onyxxDriver is very similar to your experience with the ndioDriver.

Does the Onyxx XM 34IO support Web UI? Can I create PX *(or similar web pages)* on it directly?

No. Onyxx XM 34IO is an extension of the JENEsys Edge 534 or the Onyxx XM 34IO-B module.

What is the Onyxx Network?

It's a new network created to manage communication between Onyxx capable devices. It's a two-wire differential serial bus that resides on the units.

Will there be any provisions for adding more features similar to the expansion cards that are on the JENE/JACE platform?

Yes. There are multiple PCB slots within the JENEsys Edge 534 and Onyxx XM 34IO modules that allow for additional features to be added from the factory.

How do you configure IO on the Onyxx XM 34IO-B device?

Use the onyxxDriver to discover and/or create Onyxx Networks, Devices and Points.

What is the limit of IO that I can have on an Onyxx XM 34IO?

Up to 8 Onyxx XM 34IO modules may be daisy chained in sequence to provide a maximum of 128 Universal Input points, 80 Analog Output points and 64 Digital Output points. When including the available points from a JENEsys Edge 534 module or an Onyxx XM 34IO-B module, a total of 306 points can be realized.

How are Onyxx XM 34IOs connected to each other? Is there a maximum distance?

They can be connected by their Onyxx Network ports. Daisy chain them with 2-wire shielded twisted pair cable. The maximum wire length between devices is 30 feel.

Are the connectors removable?

Yes.

Does the Onyxx XM 34IO have built in Wi-Fi?

Not currently

Are there opportunities to rebrand the Onyxx XM 34IO?

Call your Lynxspring Sales Representative for more information

Do extender modules downstream from an Onyxx XM 34IO-B come in as separate BACnet devices or as one?

Currently, they will come in as one device.

How is the Onyxx XM 34IO connected to a JENEsys Edge 534? Is there a maximum distance?

They can be connected by their Onyxx Network ports. Daisy chain them with 2-wire shielded twisted pair cable. The maximum wire length between devices is 30 feet.

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Is the Onyxx Network a 2-wire?

Yes, it is a differential signal, 2-wire serial bus. It takes a shielded, twisted pair of cables to power it.

What reason was there for not using pluggable signal connectors for expansion?

Freeing the devices from being adjacent to each other allows more modules to fit in a panel, and improved wire management.

If additional extender modules are connected downstream from an Onyxx XM 34IO-B, will the Onyxx XM 34IO-B count as an additional device?

Currently, all modules downstream from an Onyxx XM 34IO-B will come in as one device.

Is the Onyxx XM 34IO made in the USA?

Yes

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