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Altronix NetWayXT Series Repeater Modules Installation Guide

More than just power. TM

Power over the Ethernet

NetWayXT Series
Repeater Modules
Models Include:
NetWayXT
– IEEE 802.3af (15W) Compliant Repeater Module
NetWayXTX
– IEEE 802.3af (15W) and IEEE 802.3at (30W) Compliant Repeater Module NetWayXTG (UL evaluation pending)
– 1Gb IEEE 802.3af (15W) and IEEE 802.3at (30W) Compliant Repeater Module
Installation Guide

Rev. 042409

Installing Company: _____ Service Rep. Name: _____
Address: _____ Phone #: _____

Contents

Overview:

Altronix NetWayXT, NetWayXTX and NetWayXTG repeater modules interface with NetWay midspans/endspans to extend data (video) for an additional 100m. A maximum range of 600m for NetWayXT and even longer for NetWayXTX and NetWayXTG is possible using multiple repeaters, based on camera/device port power requirement.

Features:

Agency Listings:

- UL 60950-1 Information Technology Equipment (except NetWayXTG).
- CE European Conformity.

Additional Features:

- Repeater module extends range 100m each.
- Port status LEDs.

Additional Features (cont'd):

- Compact insulated housing.
- Plug-and-play installation.
- Auto detection and protection of legacy non-PoE cameras.
- No external power is required.

Installation Instructions:

NetWayXT/NetWayXTX/NetWayXTG is not intended to be connected to outside plant leads.

1. Mount NetWayXT/NetWayXTX/NetWayXTG in the desired location utilizing the mounting hole (Fig. 1a, pg. 2, Fig. 2a, pg. 3).
   Use a proper fastener and/or wall anchor when securing NetWayXT/NetWayXTX/NetWayXTG to the wall.
2. Connect structured cable from port marked [OUT] on NetWay1, NetWay8, NetWay8M, NetWay16, or NetWay16M to port marked [IN] on the NetWayXT/NetWayXTX/NetWayXTG (Fig. 1b, pg. 2, Fig. 2b, pg. 3).
3. Connect structured cable from port marked [OUT] on NetWayXT/NetWayXTX/NetWayXTG to the PoE camera/ device or next NetWayXT/NetWayXTX repeater (Fig. 1b, pg. 2, Fig. 2b, pg. 3, Figs. 3-4, pg. 3).

4. Port status LEDs will illuminate on NetWayXT indicating the port is operational (Fig. 1b, pg. 2, refer to Port LED definitions on pgs. 2-3).

Port LED Definitions for NetWayXT Repeater:

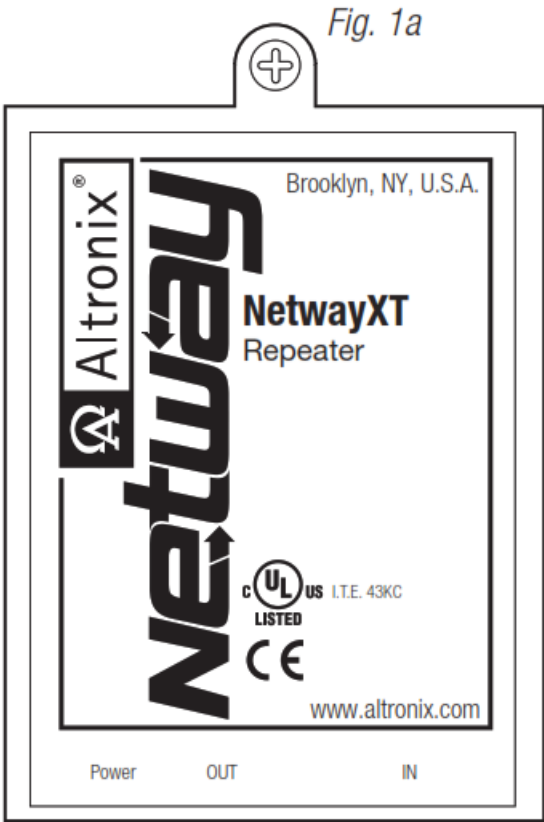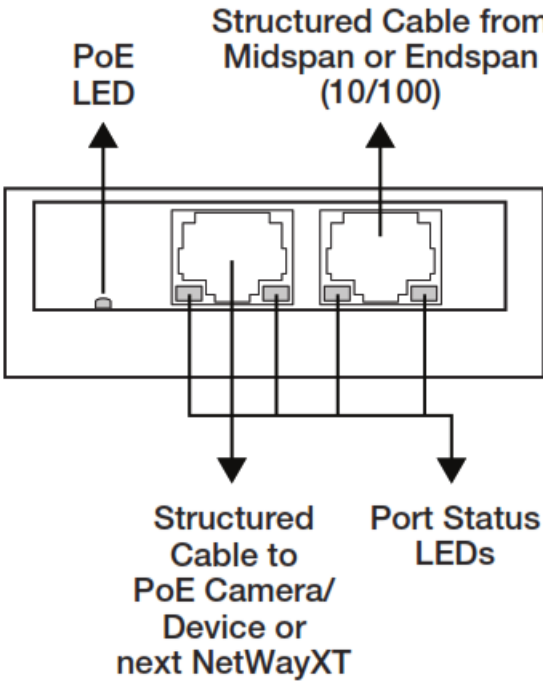| Status	Green LED	Yellow LED
OFF	Indicates it is connected as 10Base-T or no link.	Indicates no link
ON	Indicates it is connected as 100Base-TX.	Indicates a link
Blinking	Indicates activity	–

NetWayXT

Fig. 1

Fig. 1a

Fig. 1b

Port LED Definitions for NetWayXTX Repeater:

Status	PoE/PoE+ Output LED	PoE/PoE+ Input LED	Green Input Port LED	Yellow Input Port LED	Green Output Port LED	Yellow Output Port LED
OFF	No PoE/PoE+ Output	No PoE/PoE+ Input	No data input	Indicates no link	Indicates no link	No data output
ON	Normal PoE/PoE+ Output	PoE/PoE+ Input		Indicates 10/100 link	Indicates 10/100 link	
Blinking			Indicates 10/100 activity			Indicates 10/100 activity

NetWayXTG

Fig. 2 *Fig. 2a* *Fig. 2b*

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NetwayXTX
Repeater

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PoE/PoE+ Output
OUT
IN
PoE/PoE+ Input

PoE/PoE+
Output
LED

Structured Cable from
Midspan or Endspan
(10/100)

Structured
Cable to
PoE/PoE+
Camera/Device or
next NetWayXTX

Port Status
LEDs
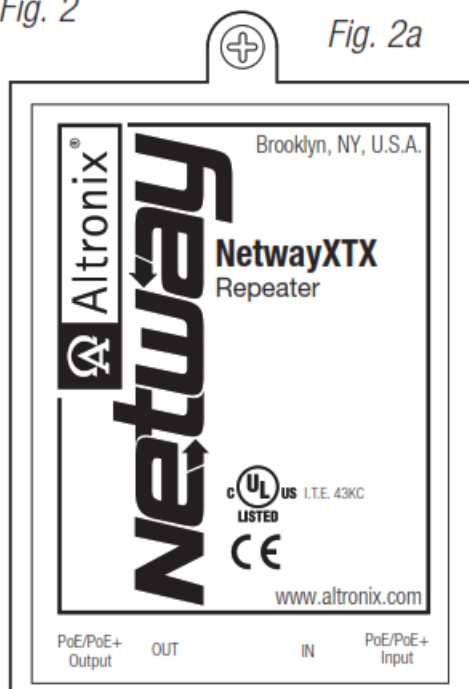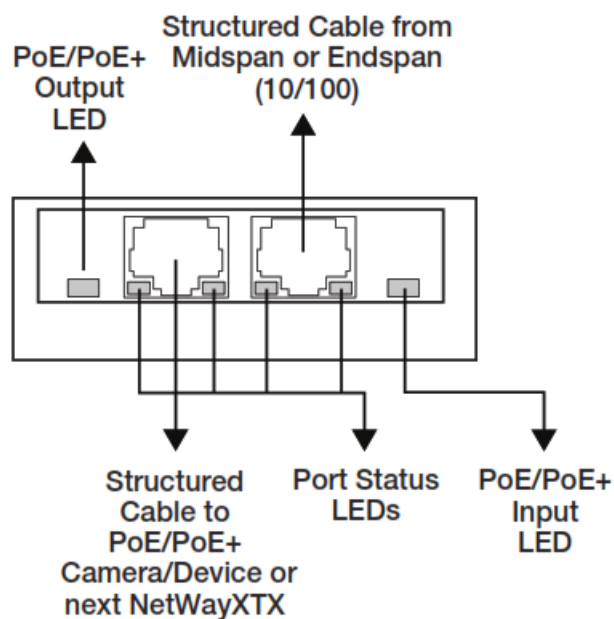
PoE/PoE+
Input
LED

Port LED Definitions for NetWayXTG Repeater:

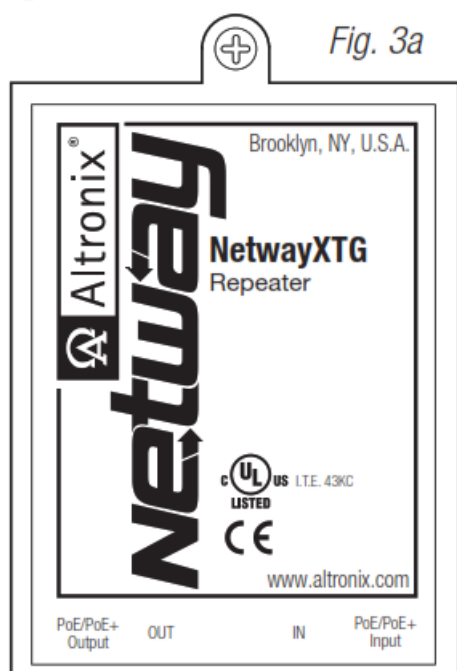| Status	PoE/PoE+ Output LED	Green LED	Yellow LED
OFF	No PoE/PoE+ Output	Indicates no link.	Indicates no link
ON	Normal PoE/PoE+ Output	Indicates 1G link	Indicates 10/100 link
Blinking	–	Indicates 1G activity	Indicates 10/100 activity

NetWayXTG

Fig. 3 *Fig. 3a* *Fig. 3b*

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NetwayXTG
Repeater

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PoE/PoE+ Output
OUT
IN
PoE/PoE+ Input

PoE/PoE+
Output
LED

Structured Cable from
Midspan or Endspan
(10/100/1000)

Structured
Cable to
PoE/PoE+
Camera/Device or
next NetWayXTG

Port Status
LEDs

PoE/PoE+
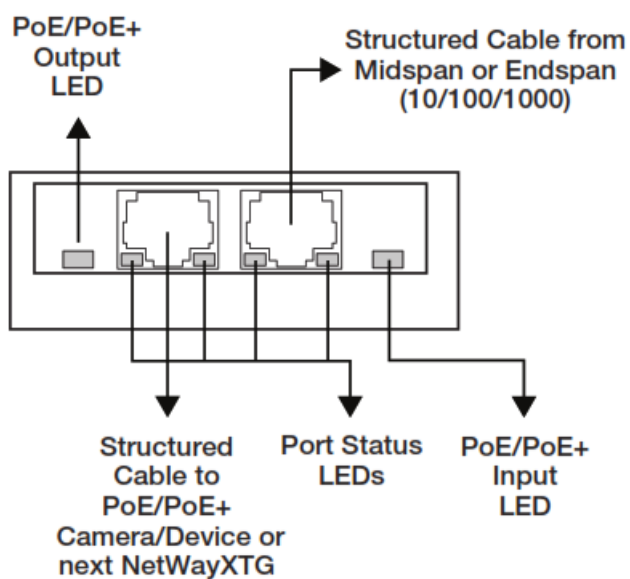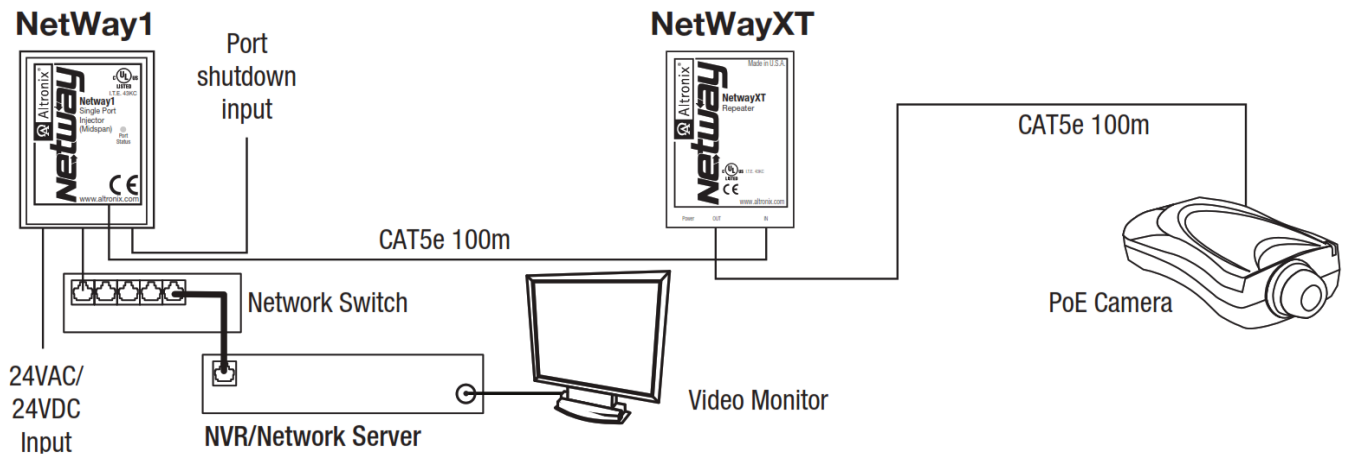Input
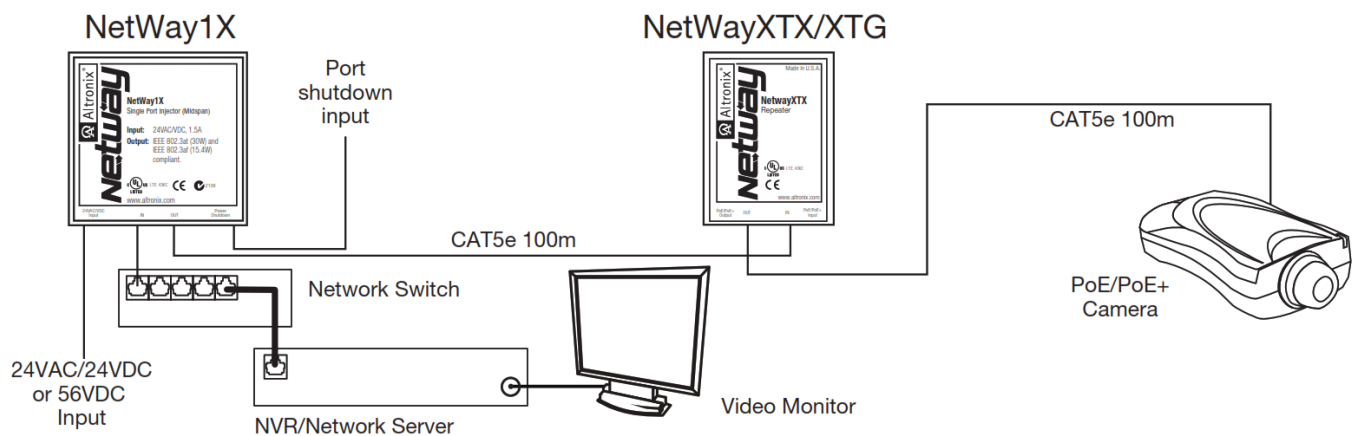LED

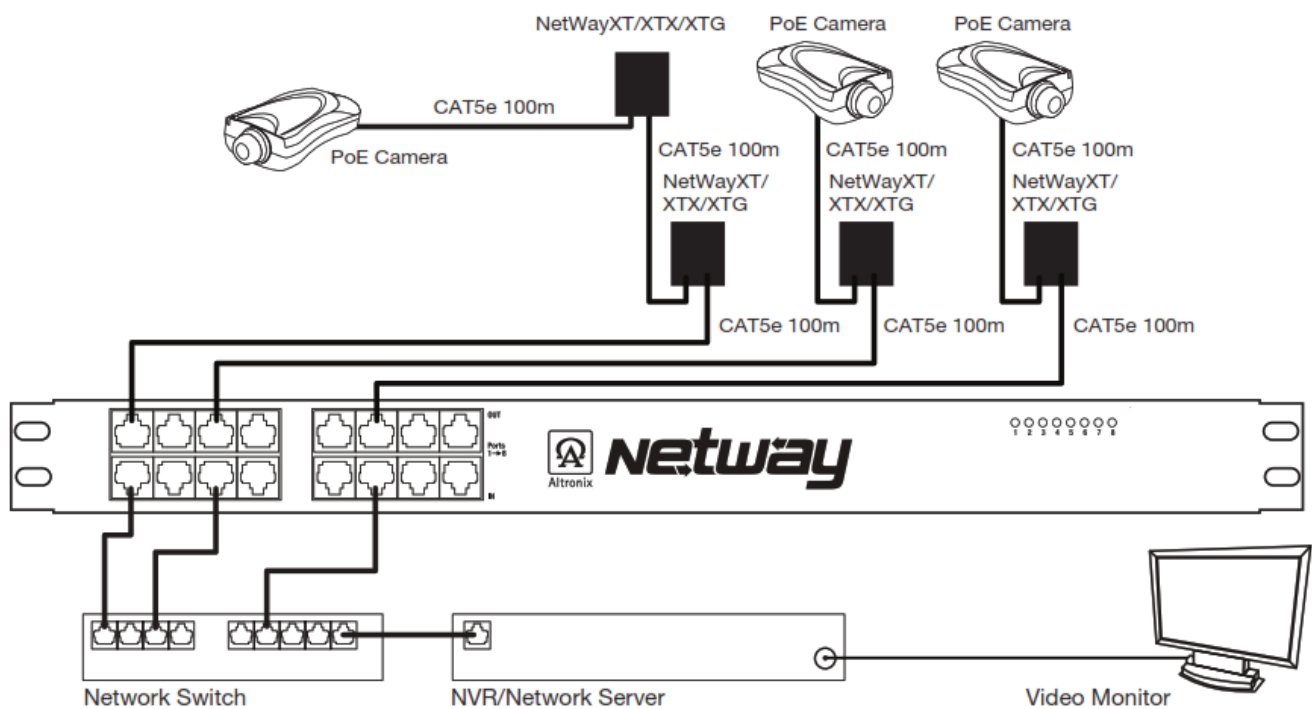**NetWayXT / NetWayXTX / NetWayXTG Installation Guide**

Typical Applications: Fig. 4 – NetWayXT connected to NetWay1 Single Port Midspan Injector.
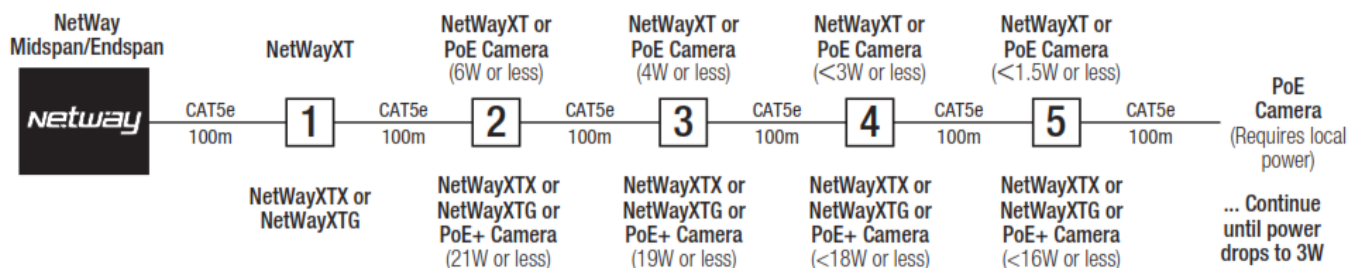

Fig. 5 – NetWayXTX/NetWayXTG connected to NetWay1X Single Port Midspan Injector.

Fig. 6 – NetWayXT/NetWayXTX/NetWayXTG connected to NetWay Midspan.

Fig. 7 – Connecting several NetWayXT/NetWayXTX/NetWayXTG on a single port.

NetWay Midspan/Endspan | NetWayXT | NetWayXT or PoE Camera (6W or less) | NetWayXT or PoE Camera (4W or less) | NetWayXT or PoE Camera (<3W or less) | NetWayXT or PoE Camera (<1.5W or less) | PoE Camera (Requires local power)

NetWay — CAT5e 100m — [1] — CAT5e 100m — [2] — CAT5e 100m — [3] — CAT5e 100m — [4] — CAT5e 100m — [5] — CAT5e 100m

NetWayXTX or NetWayXTG | NetWayXTX or NetWayXTG or PoE+ Camera (21W or less) | NetWayXTX or NetWayXTG or PoE+ Camera (19W or less) | NetWayXTX or NetWayXTG or PoE+ Camera (<18W or less) | NetWayXTX or NetWayXTG or PoE+ Camera (<16W or less) | ... Continue until power drops to 3W

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website: www.altronix.com | e-mail: info@altronix.com | Lifetime Warranty
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Documents / Resources

Netway Power over the Ethernet **NetWayXT Series** Repeater Modules Models Include: **NetWayXT** **NetWayXTX** **NetWayXTG** **Installation Guide**	[Altronix NetWayXT Series Repeater Modules](#) [pdf] Installation Guide NetWayXT Series Repeater Modules, NetWayXT Series, Repeater Modules

References

- [Altronix Home](#)