

Typical Install Diagram (Omni-only)

The purpose of this diagram is to give a technical overview of an Omnitik5ac-only install. This type of install should only be done if it is impractical to also install a LightBeamAC (e.g. no line-of-sight to a hub). Both types of installations (with and without LiteBeamAC) are depicted in the [Typical Installations page](#) - scenario 2

NOTES

- The last two octets of the 10.68.x.x/16 and 10.69.x.x/16 (mesh backbone) addresses [are determined by node number](#)
- The last three octets of the 10.x.x.x/26 (member side of the OmniTik) network are also determined by node number and are calculated by the [OmniTik5ac config](#) on line 5. Each NYC Mesh LiteBeam/OmniTik installation has one of these unique /26 networks on the member side of its OmniTik. The OmniTik provides DHCP to this network, with the bottom *and top* 5 usable addresses being left out of the scope (for static assignment to home-routers etc). DNS is provided by 10.10.10.10. This 10.x.x.x/26 network is redistributed to the mesh backbone via OSPF.
- This diagram was created on app.diagrams.net (formerly draw.io). The diagram source is attached to this page.

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Revision #7

Created 9 December 2023 04:39:24 by Willard Nilges

Updated 23 March 2024 15:50:38 by James