Networking Made Easy

Baseline technology supports multiple types of networking connections that allow you to access AppManager and its suite of powerful management applications. Baseline networking also gives you the ability to connect multiple Baseline devices through a local network or in the cloud.

Baseline solutions provide unparalleled setup flexibility, whether the controllers communicate over Ethernet cable, Ethernet radio, Wi-Fi, or cellular data. Every option uses advanced technologies and security protocols to protect your data.

CONNECT LOCALLY OR IN THE CLOUD

The flexibility of Baseline technology allows you to set up your site the way that works best for you. Baseline can network its devices together using a Local Area Network (LAN) in addition to creating its own LAN using Ethernet Radios. Baseline goes a step further by supporting the ability to network devices together in the cloud. Not to be outdone, Baseline even supports both LAN and Cloud Networking on the same device at the same time.
Communication Scenarios

Cloud Networking

Baseline recommends you conduct a thorough radio site survey prior to installation of networked devices using Ethernet Radios. A radio site survey will provide key insights into signal quality and strength, potential obstructions, and long-term viability of the network. Survey must be completed by a Certified Baseline Surveyor. Contact Baseline to schedule a survey. Ethernet Radio Surveys require an additional per-radio charge for each radio.

Approach:
- Conduct a radio site survey to assess network viability.
- Use Ethernet Radios for installation.

Baseline Local Area Network

The Baseline Cloud Networking Module supports 4G LTE, 2.4 ghz Wi-Fi, and direct connect Ethernet cable connections.

Approach:
- Utilize Ethernet Radios for network connectivity.
- Configure network parameters for optimal performance.

Onsite Local Area Network

Connect to AppManager

Radio Site Survey Part Numbers:

Onsite Survey:
- BL-SITESURVEY
- BL-ER-SURVEY-KIT
- BL-SITESURVEY-RPTR

Additional Price per Radio:
- BL-ER-XXXXX-R

Site Survey Part Numbers:

Onsite Survey:
- BL-SITESURVEY
- BL-ER-SURVEY-KIT
- BL-SITESURVEY-RPTR

Additional Price per Radio:
- BL-ER-XXXXX-R

HOW TO ORDER

The Baseline Cloud Networking Module supports 4G LTE, 2.4 ghz Wi-Fi, and direct connect Ethernet cable connections.

Approach:
- Select appropriate network module configuration.
- Configure network settings for optimal performance.

Cloud Network Module for BaseStation 3200, BaseStation 1000, and SubStations:

- X-cabinet enclosure
  - BL-CLOUD-LTE-VZ
  - BL-CLOUD-LTE-AT-X
  - BL-CLOUD-WFE-X
  - BL-CLOUD-WFE-P

- Pedestal enclosure
  - BL-CLOUD-LTE-VZ-P
  - BL-CLOUD-LTE-AT-P
  - BL-CLOUD-WFE-P

Cloud Network Module for FlowStation:

- X-cabinet enclosure
  - BL-CLOUDFS-LTE-VZ
  - BL-CLOUDFS-LTE-AT
  - BL-CLOUDFS-WFE

- Pedestal enclosure
  - BL-CLOUDFS-LTE-VZ-P
  - BL-CLOUDFS-LTE-AT-P
  - BL-CLOUDFS-WFE-P

A 4G LTE cellular gateway can be installed to create a Local Area Network. The cellular gateway can be installed into X-cabinet or Pedestal enclosures.

- BL-CM4G-GW-VZ
- BL-CM4G-GW-AT

To facilitate communication using radios you can order Ethernet Radios. The Ethernet Radios can be installed in X-cabinet or Pedestal enclosures:

- BL-ER-XXXXX

You can order additional accessories for antenna and cable solutions:

- Coaxial cables
  - BL-CX-CBL10
  - BL-CX-CBL25
  - BL-CX-CBL50
  - BL-CX-CBL100
- Wi-Fi antenna
  - BL-WF-OMNI
  - BL-WF-DIR
- Cellular antenna
  - BL-CM-OMNI
  - BL-CM-DIR
  - BL-CM-YAGI
- Ethernet Radio antenna
  - BL-ER-OMNI
  - BL-ER-YAGI
- Ruggedized Ethernet switch
  - BL-ETH-SW

Learn more: baselinesystems.com/products.php/communication-modules

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