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Connection of iBA, iQA and E-Series Instruments for use with ACE-1000A
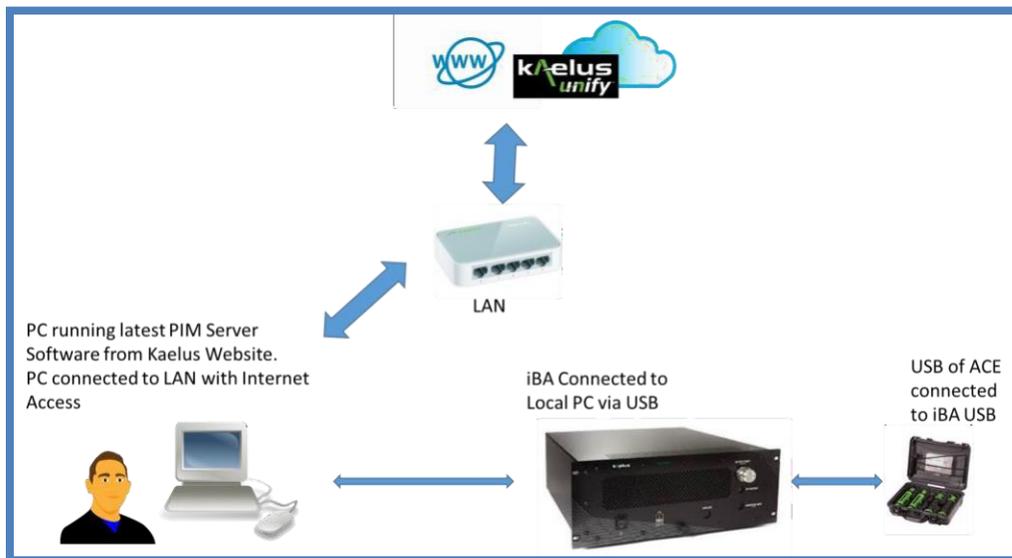
Application Note

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Introduction

This application note is an addendum to the Application Note – PIM Analyzer Calibration Extension with the ACE-1000A. This document covers connection of the Instrument to PIM Server application and how ACE-1000A connects to the computer calibrating the instrument.

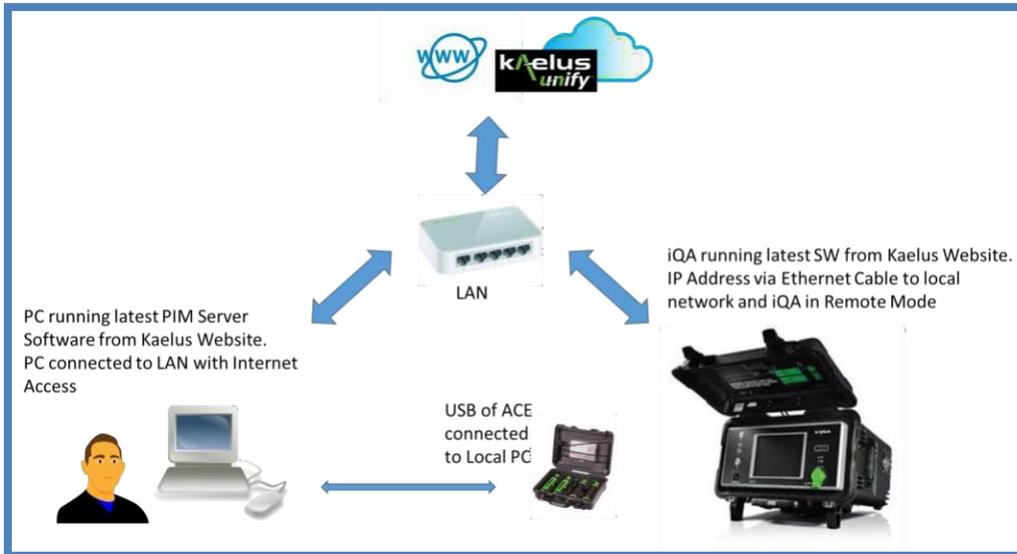# iBA, iQA and E-Series Connections – PIM Server

1. iBA Connection

2. iBA Pairing

   The iBA Series of instruments are designed to work with PIM Server software and typically if the iBA is being used, it will be paired PIM Server.

   a. Ensure the latest version of PIM Server is being used. The latest version can be downloaded from the Kaelus website.
      i. **https://www.kaelus.com/en/resource-center/software-downloads?category=All&s=pim+server**
   b. Connect the iBA to the computer via USB and switch on the Instrument
   c. Start the PIM Server software and click on Launch Portal to navigate to the User Interface
   d. If the unit does not already display on the web page, then click Add Instrument in the bottom left hand corner of the page and select the iBA Tab
   e. Select the iBA to be added to the Portal and click Add
   f. Click on the Icon in the Portal for the instrument and click Extend Calibration
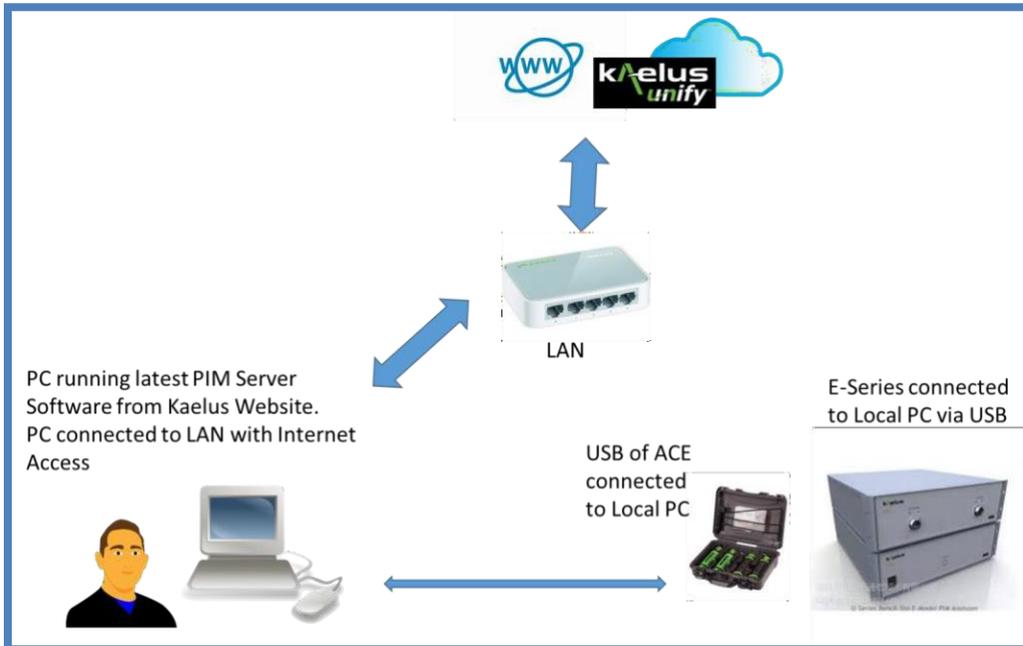   g. Connect ACE standards to the USB port on the front of the iBA

3. iQA Connection

4. iQA Pairing

    a. Ensure the latest version of PIM Server is being used. The latest version can be downloaded from the Kaelus website.
        i. **https://www.kaelus.com/en/resource-center/software-downloads?category=All&s=pim+server**
    b. Ensure the iQA is running the latest iQA Terminal Software. The latest version can be downloaded from the Kaelus website
        ii. **https://www.kaelus.com/en/resource-center/software-downloads?category=All&s=iqa+Software**
    c. Connect the iQA via an Ethernet cable to the Local Area Network that the computer running PIM Server is attached to
    d. Switch on the iQA instrument
    e. Select Remote Control in the Mode menu on the iQA Terminal Software
    f. Start the PIM Server software and click on Launch Portal to navigate to the User Interface
    g. If the unit does not already display on the web page, then click Add Instrument in the bottom left hand corner of the page and select the iQA Tab
    h. Enter the IP address of the iQA as shown on the front panel of the iQA then click Get Model
    i. When the unit has been acquired, click Add
    j. Click on the Icon in the Portal for the instrument and click Extend Calibration
    k. Connect ACE standards to the USB port of the host computer

5. SI E-Series Connection

6. SI-E Series Pairing

    a. Ensure the latest version of PIM Server is being used. The latest version can be downloaded from the Kaelus website.
        iii. **https://www.kaelus.com/en/resource-center/software-downloads?category=All&s=pim+server**
    b. Connect the E-Series TR module and FE module via USB to the host computer
    c. Copy the TR module calibration file to…
        iv. C:\ProgramData\Kaelus\PIM Server\Calibration\Transceiver
    d. Copy the FE module calibration file to…
        v. C:\ProgramData\Kaelus\PIM Server\Calibration\FrontEnd
    e. Switch on the E-Series instrument
    f. Start the PIM Server software and click on Launch Portal to navigate to the User Interface
    g. If the unit does not already display on the web page, then click Add Instrument in the bottom left hand corner of the page and select the BPIM Tab
    h. Select the TR and FE modules to be added to the Portal and click Add
    i. Click on the Icon in the Portal for the instrument and click Extend Calibration
    j. Connect ACE standards to the USB port of the host computer

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