

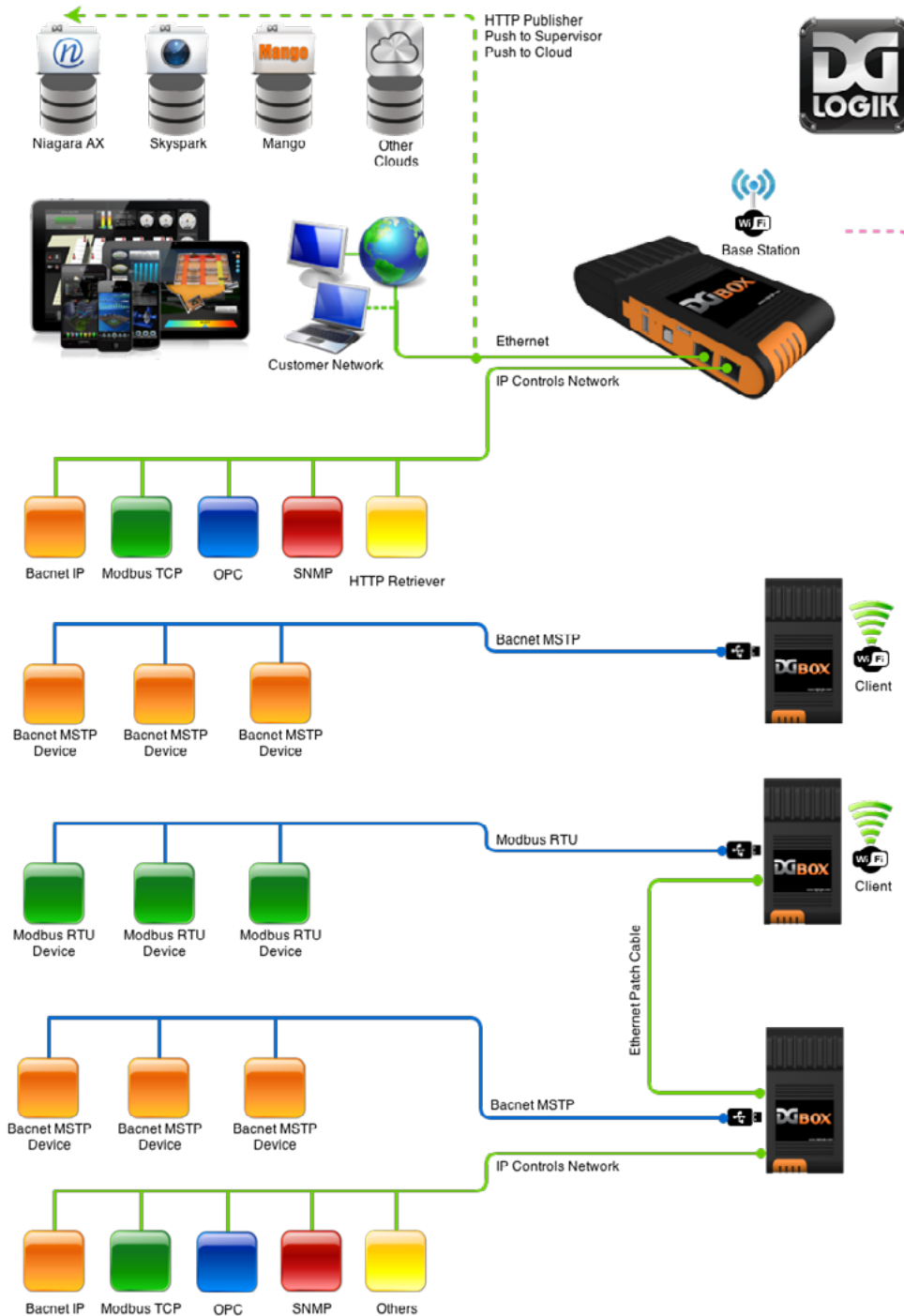
# DGBOX

## THE APPLIANCE PLATFORM™

DOCUMENTATION MODEL 003-DS2001

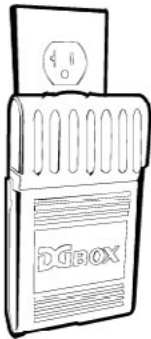


# Network Architecture

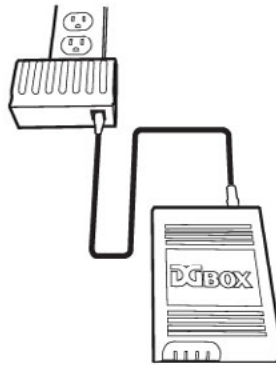


# Power Configuration

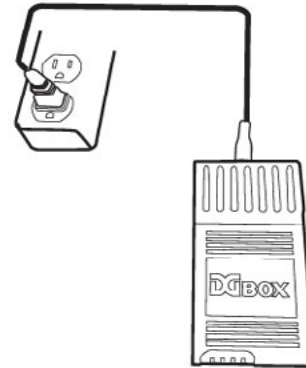
- Plug Mode



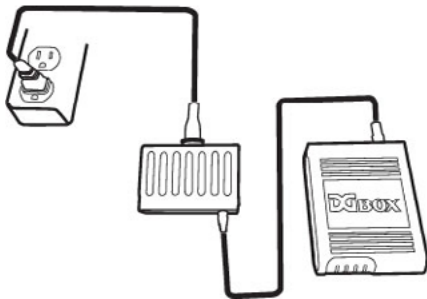
- Desktop Mode



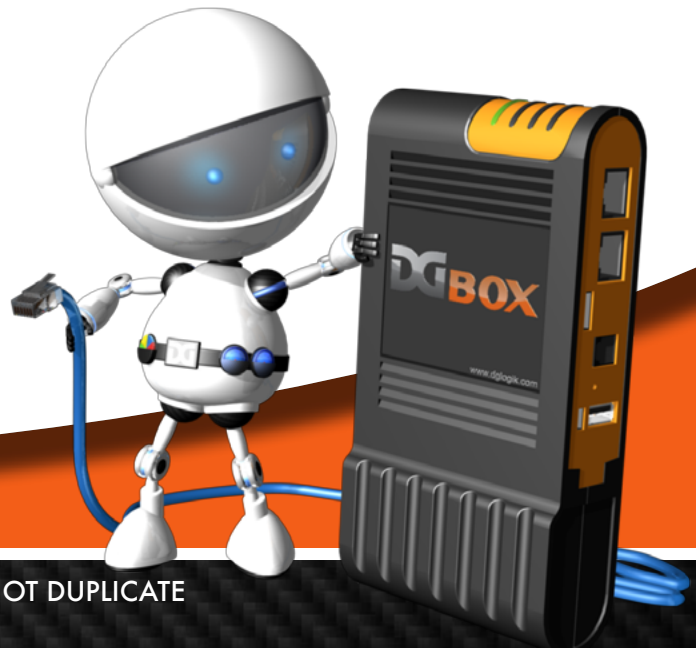
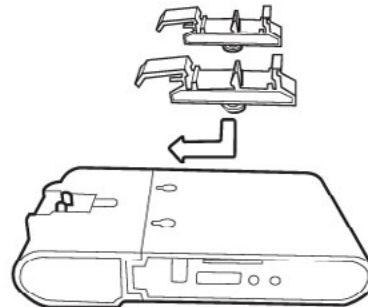
Or



- Desktop Extended Mode



- DIN Rail Install



# Data-Acquisition

DGBox ships preconfigured with a number of standard industry protocols. Although this may vary per application based on the protocols being used to acquire the data, the poll rate and automated logic, the recommended point capacity for each DGBox is 1000.

BACnet IP	The BACnet I/P data source is used to gather data from BACnet I/P compatible devices accessible over an I/P network. Equipment can be in a local network or intranet, or can be anywhere in the internet.
BACnet MSTP	The BACnet MS/TP data source is used to gather data from BACnet MS/TP compatible devices accessible over an RS232/485 network.
Modbus TCP	The Modbus IP data source is used to gather data from Modbus equipment accessible over an I/P network. Equipment can be in a local network or intranet, or can be anywhere in the internet.
Modbus RTU	The Modbus serial data source is used to gather data from a local modbus network, accessible via RS232 or RS485 (requires adapter) communication.
OPC DA	The OPC data source is used to gather data from servers that implement the OPC Data Access protocol
SNMP	The SNMP data source is used to gather data from devices that implement the SNMP protocol. This data source performs polling and also accepts SNMP traps.
SQL	The SQL data source is used to retrieve and set values in a SQL database. This is a polling data source that will read values based upon a given update period.
HTTP Retriever	This data source is used to collect generic information from the web sites available on the internet or internal equipment available on an intranet.
HTTP Receiver	The HTTP receiver data source is used to accept data delivered to the system using HTTP GET or POST methods.
ASCII File Reader	Data source for reading ASCII-formatted data from files.
ASCII Serial	Data source for reading ASCII-formatted data from serial streams.
Scripting	The Scripting allows users to use ECMA scripts to determine point values. It is similar to the Meta data source, but allows the setting of multiple point values within a single script.
POP3 Email	This data source is used to collect generic information from emails received at a given POP3 mailbox.
Pachube	This data source is used to collect generic information from <b>COSM</b> .
Virtual Data Source	The Virtual Data Source is a data source without any connection to an external or physical system. It exists entirely within the system's own memory space.

## VMStat Data Source

The VMStat data source is used to monitor various performance aspects of the DGBox.

## Persistent TCP

This data source is used to collect data sent from persistent TCP publishers on other DGBox instances.

# Data-Publishing

Publishers can be considered the opposite of data sources. Instead of gathering data into the system, publishers distribute data out. This can be useful when using DGBox to gather information from disparate systems in order to modify, cleanse, or otherwise manage it, and then send it in a common format to other systems.

## HTTP Publisher

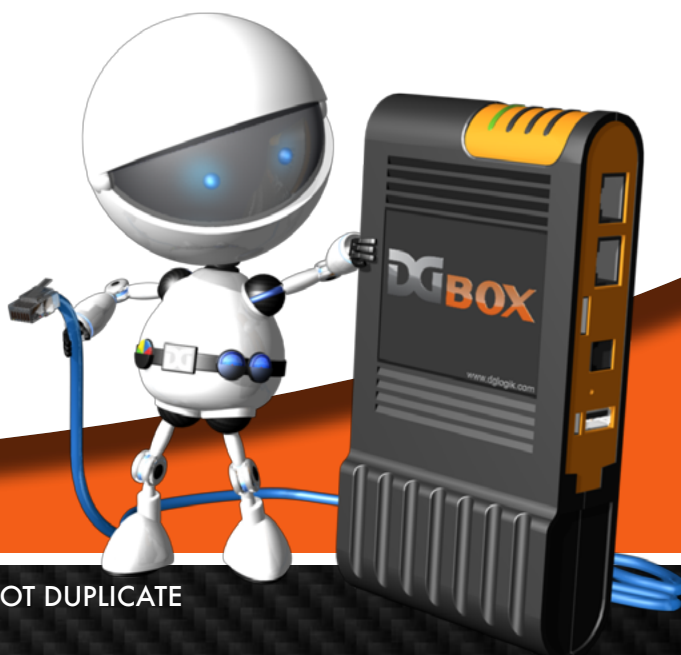
The HTTP sender publisher sends each point update (or change, as appropriate) to a given destination URL.

## Pachube

The Pachube publisher sends each point update (or change, as appropriate) to Pachube using the given API key, feed ID, and data stream ID as a separate HTTP request.

## Persistent TCP

The persistent TCP publisher is a highly efficient way of sending data from one DGBox instance to another.



# FAQ

## Frequently Asked Questions

### Are there any additional licenses that need to be purchased with the DGBox?

DGBox comes with all the necessary software pre-licensed. There are no additional fees or charges of any kind.

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### Is it possible to access the DGBox using Android/IOS devices?

There is a native DGBox app available on Google Play Store as well as iTunes.

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### Where can I get more information on the DGBox?

For technical details you can visit <http://wiki.dglogik.com/dgbox>

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### How is the DGBox configured?

The DGBox configuration pages are built into DGLux for a seamless user experience

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### What OS is DGBox running?

DGBox is running Linux OS

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### Can DGBox collect HTTP data?

There is an HTTP retriever available as a data provider for the DGBox.

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### Does DGBox support Modbus RS485?

DGBox has multiple USB ports which can be expanded with converters such as RS485 to USB.

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### Can I do programming on the DGBox?

DGBox supports full JavaScript for programming.

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### How much data Storage is available on the DGBox?

DGBox comes with an internal 4GB MicroSD card. 2GB is reserved for the system itself and the remaining 2GB is available for trending and graphics storage. In addition there is a full SD card expansion slot on the DGBox that supports another 64GB. The DGBox can also be configured to store data on an external hard drive via a USB port or the eSATA port for virtually unlimited Terabytes of storage.

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## How many points can a DGBox handle?

That would depend on the protocols used as well as the polling interval and other settings. Our current recommendation is 1,000 points.

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## Can the DGBox Talk?

Yes it has an Analog Speaker & headphone port so it can tell you it's IP address, point values, alarms, etc...

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# SUPPORT PORTAL

<http://support.dglogik.com/categories/20092606-DGBox>

# WIKI

<http://wiki.dglogik.com/dgbox>

