

# Newton software – IT Details supplement

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## Newton protocol/port information.

Below you can find some details regarding all the protocols and ports used in different sections of the Newton software to connect and communicate with the controller.

1. Newton Software -> Hardware settings: Hardware identification

Server Ports: UDP port 44515, UDP port 44525, TCP port 44516

2. Newton Software -> Calibration: Data streaming

Server Ports: TCP port 2343 (default), UDP ports 6000-6010 (default), TCP ports 59110 and above (one port for each application running on the server)

3. Newton Software -> Online: Data streaming (both directions)

Server Ports: TCP port 2343 (default), UDP ports 6000-6010 (default), TCP ports 59110 and above (one port for each application running on the server)

File transfer - FTP

Server Ports: TCP port 20 (used in active mode only), TCP port 21 (used in active and passive mode)

4. Newton Software -> Offline and Report: Storage data detection/Data download (File transfer - FTP)/Data deletion

Server Ports: TCP port 20 (used in active mode only), TCP port 21 (used in active and passive mode)

## Newton Firewall Information

In order that Windows firewalls do not restrict operation of Newton software, there are certain processes that need be set as exceptions in the firewall settings:

Newton.exe - Newton application

lkads.exe - NI PSP Service Locator, if applicable (it locates servers at the request of network variable clients and other proprietary NI network protocols)