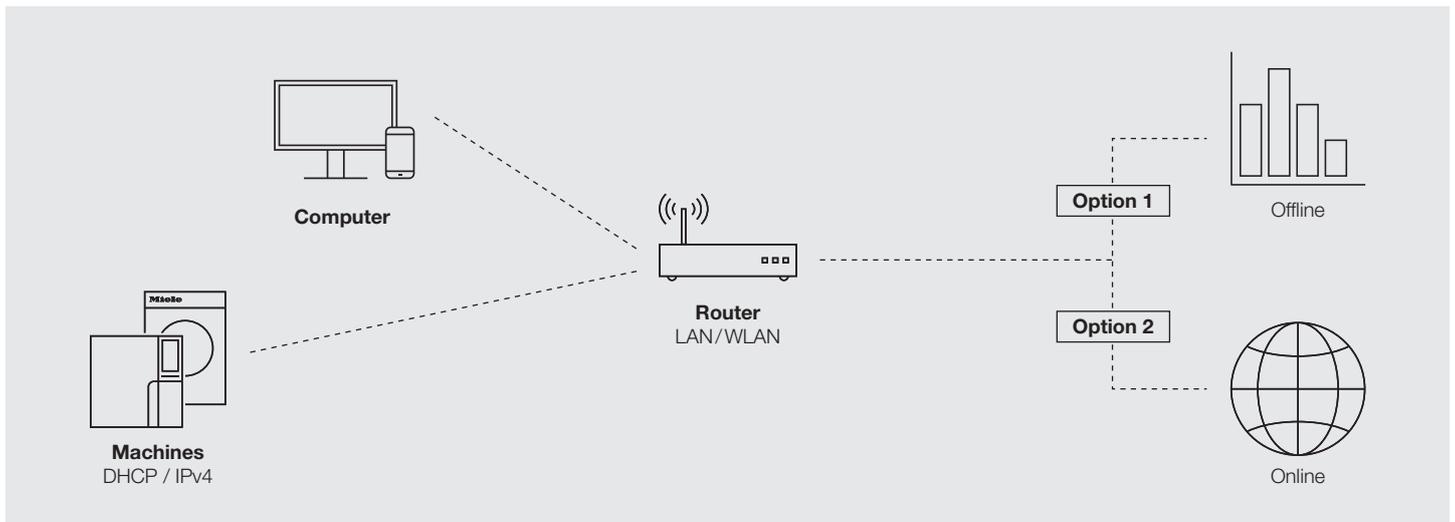


Technical Requirements for Miele Professional Machine Connectivity

You can connect your machines to a local network (Option 1) to use offline process documentation systems (e.g. Segosoft Miele Edition). Should you opt to use the Miele MOVE online portal, a network with an Internet connection is required (Option 2). In both cases, your network should be password-protected. The technical requirements and details below serve to ensure the smooth integration of your machines in a network.



Activate DHCP

Automatic network connection

We recommend the use of DHCP (Dynamic Host Configuration Protocol) to simplify the administration of IP addresses. This allows machines requiring a network connection to connect automatically.

Use fixed IPv4 addresses

Manual network connection

Alternatively, static IP addresses can be assigned manually in the IPv4 (Internet Protocol Version 4) settings and permanently assigned to a machine.

Ethernet (LAN)

Cable network

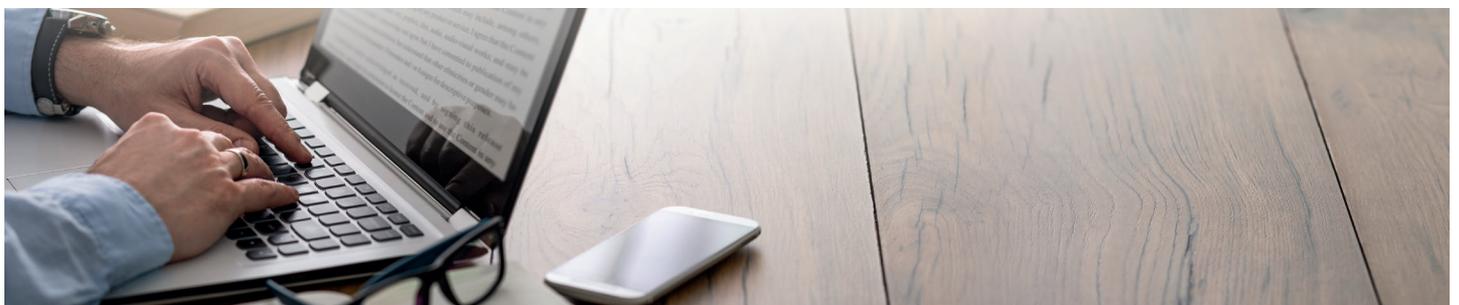
The network must support a baud rate of 10/100 Mbit/s as the current common standard.

Wi-Fi (WLAN)

Wireless network

The network should be WPA2-encrypted, must support the 2.4 GHz frequency band and comply with the IEEE* standard Wi-Fi 4 (802.11 b/g/n).

* World leading professional organisation 'Institute of Electrical and Electronics Engineers'



Option 1: Integration Into a Local Network

Miele Professional machines can be integrated into your local network. This allows you to capture and call up important data using an offline process documentation system (e.g. Segosoft Miele Edition).

Checking network printer settings

Key requirements for connecting a network printer are the Internet Printing Protocol (IPP), which provides print services such as authentication, access rights retrieval, encoding and status notifications via the network, and the PostScript 3 page description language to ensure the correct representation of data. Your network printer must be compatible with both the Internet Printing Protocol and PostScript 3.

IPP-compatible network printers can generally be identified by the URI (Unified Resource Identifier) /ipp or /ipp/print. Alongside the IP address (IPv4), we also recommend adjusting the port (often 631) and the URI as required.

Option 2: Connection to a Network With Internet Connection

To use further functions as part of digital machine management with Miele MOVE, a connection to a network with Internet access is required. An Internet connection can be provided either via cable (Ethernet) or a wireless network (Wi-Fi). If a direct Internet connection is not available, it is possible to install a mobile Internet connection using a router and a SIM card.

Prevent possible usage restrictions

Proxy servers and firewalls may result in several functions being restricted. You should therefore ensure that the following URLs are permitted and not subject to blocking:

Ports 443 (https), 80 (http), 53 (TCP/UDP), 5353 (TCP/UDP)

dispatch.professional.miele-iot.com	Port 443
websocket.professional.miele-iot.com	Port 443
ntp.professional.miele-iot.com	Port 80
registration.professional.miele-iot.com	Port 443
rest.professional.miele-iot.com	Port 443
api.professional.miele-iot.com	Port 443
xkmdwld2.miele.com	Port 443
miele-move.com	Port 443

Block port forwarding

Ensure that the module ports are protected against external access. There should be no port forwarding from the router to the module as this represents a huge security risk.

The module should only connect to the Internet and the Miele service Miele MOVE and the update server direct. Via this secure link, the module can be safely accessed via the cloud.

If you have any further questions, please visit our website or contact Miele Professional Service.