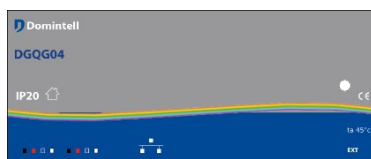


DGQG04

New Generation Master

Introduction

The DGQG04 is the main/central module of the Domintell system. It replaces the historical DGQG01. The USB connection was also replaced by an Ethernet connection. This Ethernet connection is used to configure/edit the application via GoldenGate, our cross-platform configuration software, and to control your installation with your smartphone thanks to the Domintell Pilot app.



Specifications

- Only a single DGQG04 module can be connected to the Domintell bus. No other DGQG0x module (DGQG01, DGQG02, DGQG04...) can be connected at the same time on the Domintell bus.
- Power supply voltage: 12-15 Vdc (from the bus connector with the DALI03 module)
- Module consumption: 1,5 W (85 mA ; 100 mA pic)
- Dimension: L-105 mm (6 modules)
- 1x Ethernet port 10 Mb/100 Mb (RJ-45)
- 1x extension connector
- Encrypted communications with WebSocket/TCP (TLSv1.2)

Configuration via Ethernet

- **The DGQG04 does not feature any USB connector anymore.** Everything is done via the Ethernet port (RJ-45)
- The last GoldenGate version must be used to configure the installation. The DGQG04 is not supported by the 1.27.x or lower version of the Domintell configuration software.

- Websockets are used to communicate (TCP protocol). Connections are encrypted (TLSv1.2) and password-protected.
- If the modem/router supports it, port forwarding can be automatically configured via UPnP to configure your installation via Internet (not recommended).

Ethernet control

- This feature can be disabled if not used.
- Up to two connections can be opened simultaneously by using WebSockets (TCP protocol only). Connections are encrypted (TLSv1.2) and password-protected.
- A dedicated smartphone app (such as Domintell Pilot) can be used to control the installation.
- Older apps, which were compatible with the DET02 are likely not to work with the DGQG04 because the UDP protocol is not implemented.
- If the modem/router supports it, port forwarding can be automatically configured via UPnP to configure or control your installation via Internet.

List of services and ports

- 21/tcp: FTP server to update the application and the OS in the DGQG04. Also used to collect the log files. *Do not forward this port in the modem/router!*
- 17481/tcp: Grants the control of the Domintell installation via a smartphone by using a new generation app (Domintell Pilot, DomRemote, ...)
- 17483/tcp: Allows the configuration of the installation by using the GoldenGate software (replaces the USB connection of the DGQG01).

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- 5353/udp: Used to find the DGQG04 with the ZeroConf/Bonjour protocol. *Do not forward this port in the modem/router!*
- Multicast group 239.255.44.49:17490: group for the communication with the other Domintell modules. *Do not forward this port in the modem/router!*

Port forwarding

Ports which can be forwarded: 17481/tcp, 17483/tcp

Ports which must **never be forwarded**: 17490/udp, 5353/udp

Important notes

- Only one DGQG04 can be connected to the bus at a time. No other DGQG0x can be connected.
- **The module does not support PoE (Power-over-Ethernet).**
- The DETH03 cannot be connected to the Domintell bus when a DGQG04 is already connected.