

DVX8010 Main Module Data Sheet

The DVX-8010 is the control module of each XStack USB gateway unit. The module uses the DPP (D-link Peripheral Protocol) to communicate with the Asterisk® server, and an internal XStack SPI (Serial Peripheral Interface) to communicate with the internal USB modules.

The DVX8010 produces the 3.3 VDC needed to run all the modules and the special telephony voltages (-24 to -30 volts for analog telephones normal operation and -80 to -92 Volts for the ring current). The module uses 12 VDC at a maximum current of 5 Ampere.

A large scale integration FPGA (Field Programmable Gate Array) runs the D-link firmware, which coordinates all the logic and timing events necessary to run the XStack gateway.

The USB 2.0 interface supports a theoretical data flow of 480 Mbits/second, more than enough for any XStack USB application. Each XStack USB is equipped with two USB ports to support the Twining redundancy option

The maximum number of telephony channels supported by a single DVX-8010 is 144 (4 E1/T1 PRI channels + 24 analog channels).

Each XStack USB module is capable of running the D-Link hardware-based echo canceller module. This echo cancellation module can support up to 144 channels. The XStack USB module can support up to four Interface modules and a cooling fan.

The XStack USB module stores the licenses that are necessary to activate the telephony modules.

When driving FXS modules, forced-air cooling is mandatory to assure reliable, long term module operation.



DVX8010 Front View



DVX8010 Top View

Environmental Operation Information

- Temperature: 0-40 degrees Centigrade
- Humidity: up to 95%, non-condensing

Physical Dimensions

- 90x105 Millimeters

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Certifications

- FCC 47CFR part 15 subpart B
- RoHS
- EC

