

KDMX-GWi

IoT DMX CONTROLLER - 4 PORTS

Leverage the capabilities of Kepler electronics in dynamic architectural lighting with an innovative, user-friendly, and functional control system that revolves around a solitary, dependable forget-it-controller. KDMX Control is ideal for architectural lighting that necessitates the advantages of dynamic movement and color in a user-friendly and economical format, with the capability to manage up to 2048 channels. LWEB software provides assistance and direction during controller programming.

With the dependability you anticipate from KEPLER and our knowledge of dynamic lighting in entertainment and architecture: a control solution that is simple to install and operate.

KDMX-GWi series are powerful, programmable DMX controllers, which can be programmed by node.js. The KDMX gateway is capable of hosting graphical pages that are specific to the user and can incorporate physical inputs and outputs using four channels of RS 485.

One Controller

The powerful DMX Gateway offers connectivity functions that allow for the simultaneous integration of BACnet, KNX, Modbus, and OPC Systems. These systems can be integrated using Ethernet/IP communications.

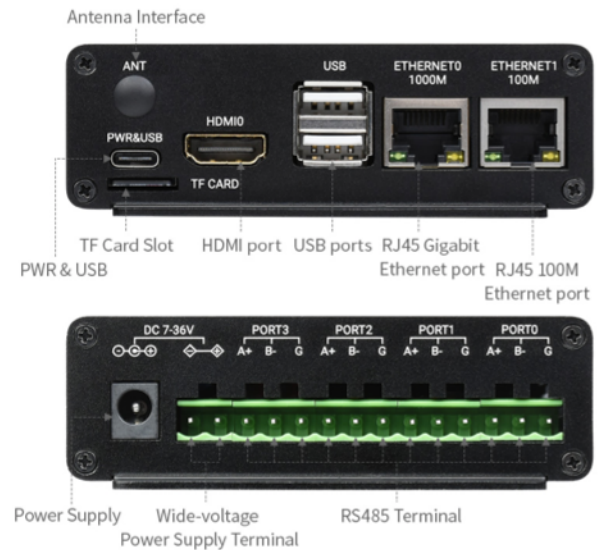
It is possible to communicate data between all of the communication technologies that are present on the device thanks to the gateway capability. Different data points pertaining to technology are mapped on the device by means of the Local Connections capability. Global Connections provides help for the mapping of various technological data points on devices that are scattered throughout multiple locations.

Two Ethernet connector, which may be linked to a Wide Area Network (WAN) with HTTPS enabled, is included in each KDMX gateway. Additionally, there are two USB 2.0 Type A ports and an HDMI port, both of which are capable of supporting 4K 30 frames per second output. One can easily set up a virtual private network (VPN) and gain secure access to remote locations using the built-in VPN capability. While the KDMX is capable of providing fully fledged ASTM functionality (including Alarming, Scheduling, and Trending), it can also be perfectly integrated into the L-WEB System by the user.



IoT Integration

Using the Internet of Things (IoT) function, which is built on Nodes.js it is possible to connect the system to virtually any cloud service. This can be done for a variety of purposes, including the uploading of historical data to analytics services, the use of MQTT for telemetry, the transmission of alarm messages to alarm processing services, or the operation of certain components of the control system through a cloud service (for example, scheduling based on Web calendars or booking systems). Additionally, it is feasible to process information from the Internet, such as weather data, in order to perform forecast-based control. Last but not least, the JavaScript kernel also makes it possible to build serial protocols to non-standard equipment in primary plant control.



Specifications

DMX512:	4 ports (max 512 channels each port)
Power Input:	7-36V
Dimension:	123*98*32 mm
Networking:	Gigabit Ethernet RJ45 connector, 100M Ethernet RJ45 connector
USB:	USB 2.0 Type A × 2
Connector:	Isolated RS485 × 4, Power screw terminal × 1
RTC:	Real-time clock with battery socket
Fan Header:	allows speed adjustment, 5V
Indicator:	Power indicator × 1, PCB status indicator × RS485 communication indicator × 8
Temperature:	0 - 40 C
Humidity:	10-90% relative, non condensing