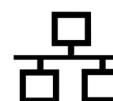


BIOS-UX-02

IoT operator panel for ANDON signalling via ETHERNET
4 ILLUMINATED BUTTONS + LAN COMMUNICATION



The BIOS-UX-02 operator panel is a box with four illuminated ANDON buttons (Ø 44 mm, 2×2 layout in the upper part), which a worker on the shop floor uses to report, for example, a need for material, a maintenance call, a quality check or a breakdown. The buttons have fixed colours: red, blue, green and yellow; the meaning of each button is configurable. The request is sent over the LAN to the server, which can remotely switch the button illumination on or off or set it to flash. Communication is via ETHERNET 10/100Mbit using HTTP with JSON data, and configuration is done in a web browser. Power supply: SELV 12–36 VDC or Passive PoE via the RJ45 socket. IP65 enclosure, vertical mounting, cables led out from the bottom.



Technical data:

Buttons	4 illuminated, Ø44 mm: red, blue, green, yellow; meaning of each button configurable
Button layout	2×2 in the upper part of the enclosure
Illumination	switched on and off remotely from the server, steady or flashing (periodic mode)
Press counter	YES, for each button
Device status indication	LED indicators
Communication	Ethernet 10/100 Mbit
Supported protocols	DHCP, TCP/IP, UDP, HTTP, JSON
Configuration	web browser
Power supply	SELV 12–36 VDC or Passive PoE via RJ45
Power consumption	max. 1.5 W at 24 VDC
Built-in protection	reverse supply polarity, thermal, overload
Enclosure dimensions	174.8 × 225 × 81.25 mm (excluding buttons)
IP rating	IP65 (as specified by the enclosure manufacturer)
Mounting	vertical, buttons at the top, cables led out from the bottom
Operating temperature	–40 °C to +60 °C
Storage temperature	–40 °C to +85 °C
Humidity	RH < 90 % (non-condensing)
Protection class	III / SELV
Compliance	EU Declaration of Conformity No. 01/2025: EMC 2014/30/EU, RoHS II 2011/65/EU
Warranty	2 years; post-warranty service for 10 years from the date the device was placed on the market

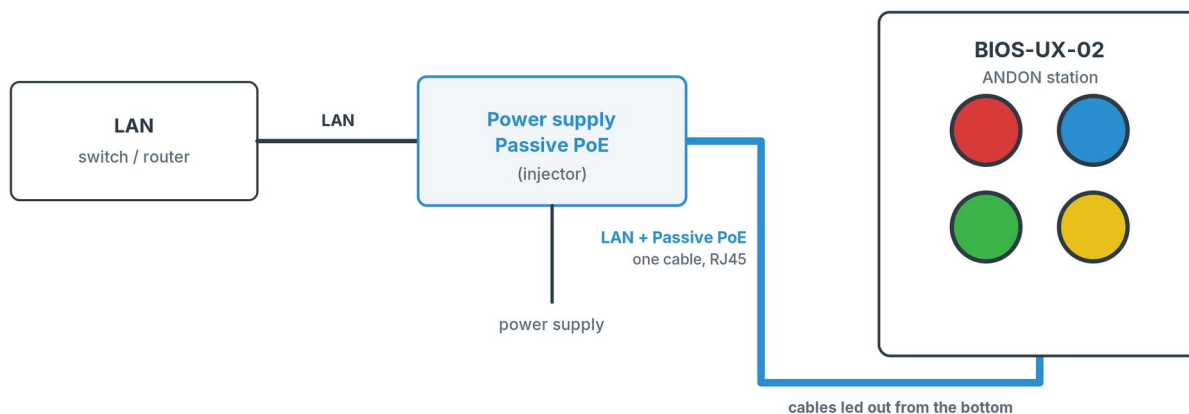
Installation visualisation:



Illustrative visualisation. Enclosure dimensions: 174.8 × 225 × 81.25 mm (excluding buttons), vertical mounting, cables led out from the bottom.

Example connection diagram (Passive PoE):

Connection: one LAN cable carrying Passive PoE power



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