



### PRODUCT FEATURES

- Modular design to fit application requirements
- Provided secure connection between two networks
- SNMP protocol for remote management
- 2x ETH, Optional WiFi
- VPN support

The IRLAN-2E industrial router secures connections between two local networks (LAN) via two Ethernet interfaces 10/100. WiFi model is available.

Configuration is password protected, via web interface. The router supports creation of VPN tunnels using IPsec, OpenVPN and L2TP to ensure safe communication. Web interface provides detail statistics about router activities.

### SELECTED APPLICATIONS

Transportation and security  
 IT and communication  
 Self-service terminals  
 Energy and power industry  
 Metrology, alarm and warning systems

#### Accessories

0	No Accessories
1	Accessories with EU power supply
2	Accessories with UK power supply
3	Accessories with Australia power supply
4	Accessories with US power supply

#### Enclosure

1	Plastic enclosure
2	Metal enclosure

0	No WiFi
7	WiFi

### ACCESSORIES

ORDER CODE	DESCRIPTION	INCLUDED IN PACKAGE	INCLUDED IN SET PACKAGE	SOLD SEPARATELY
BB-SBD40	Metal DIN holder for Metal versions of routers v2	✓	✓	✓
BB-CPD2-G	Plastic DIN holder for Plastic versions of routers v2	✓	✓	✓
BB-AW-A24G-M5SRP	Antenna WiFi stick 5dB, SMA-RP connector		✓	✓
BB-KD-ETH	Ethernet cross cable 1,5m		✓	✓
BB-CON-WR2	2-pin Terminal block for Power Supply	✓		✓
BB-RPS-v2-WR2-EU	Power supply with WR connector (2 pins) - 12V/1A - EU plug		✓	✓
BB-RPS-v2-WR2-US	Power supply with WR connector (2 pins) - 12V/1A - US plug		✓	✓
BB-RPS-v2-WR2-UK	Power supply with WR connector (2 pins) - 12V/1A - UK plug		✓	✓
BB-RPS-v2-WR2-AUS	Power supply with WR connector (2 pins) - 12V/1A - AUS plug		✓	✓
BB-KN-WR2-3	Power supply cable 2-wire, 3m		✓	✓
Quick Start Guide		✓	✓	

# Industrial Routers LAN ROUTER

## IRLAN-2E



**VITRIKO**  
SmartSolutions for IoT

### SPECIFICATIONS

#### FIXED INTERFACES

2x Ethernet 10/100 Mbps, independent or bridged

#### POWER

Source 9 - 36 VDC  
Consumption Idle - 1.6 W  
WiFi Com. to 1.9 W  
Full Com. to 2.5 W

#### MECHANICAL

Dimension Plastic version 51 x 87 x 116mm  
Dimension Metallic version 42 x 87 x 113mm  
Protection IP30

#### ENVIRONMENTAL

Operating Temperature -40 to +75°C  
Storage Temperature -40° to +85°C  
Humidity Operating - 0 to 95% relative humidity non condensing  
Storage - 0 to 95% relative humidity non condensing

#### WiFi <sup>optional</sup>

Antenna connector R-SMA – 50 Ohms  
Supported WiFi band 2.4 GHz  
Standards 802.11b, 802.11g, 802.11n  
2.4 GHz supported channels 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13  
RX Sensitivity 11b, 11 Mbps: typ. -85 dBm  
11g, 54 Mbps: typ. -70 dBm  
(HT20) 11n, MSC7: typ. -66 dBm  
(HT40) 11n, MSC7: typ. -62 dBm  
TX Output Power 11b, 11 Mbps: min. 18, typ. 19, max. 20 dBm  
11g, 54 Mbps: min. 14.5, typ. 16, max. 17.5 dBm  
802.11n (HT20): min. 13.5, typ. 15, max. 16.5 dBm  
802.11n (HT40): min. 13.5, typ. 15, max. 16.5 dBm  
Type of device Access point, station

#### CPU & MEMORY

CPU 32b ARM microprocessor, 0.25 DMIPS per MHz  
Flash memory 16 MB DDR SDRAM  
RAM 64 MB  
M-RAM 128 kB

#### SOFTWARE FEATURES

Linux based, possibility to program your own application

NTP client, NTP Server – time synchronization

M-RAM memory inside – router statistic's saving into memory

#### NETWORKING

DHCP – automatic IP addressing in LAN network

NAT/PAT – IP address and ports translation between inside/outside network

VRRP – virtual backup router function

DynDNS client – access to the router with a dynamic IP address

PPPoE Bridge – PPP frames encapsulation inside ETH frames

#### VPN TUNNELING

IPsec, OpenVPN, L2TP – secure encrypted tunnels

#### CONFIGURATION AND DIAGNOSTIC

HTTP server – configuration via web server

Telnet – configuration and access to the file system

SNMP – router diagnostics, communication with I/O and M-Bus

Remote router group configuration change, switching among configuration profiles

SSH – encrypted configuration and access to the file system

#### STANDARDS/REGULATION

EMC ETSI EN 301 489-1 V2.1.1, ETSI EN 301 489-17 V3.1.1

Safety EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 + AC:2011

[www.VITRIKO.com](http://www.VITRIKO.com)

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