

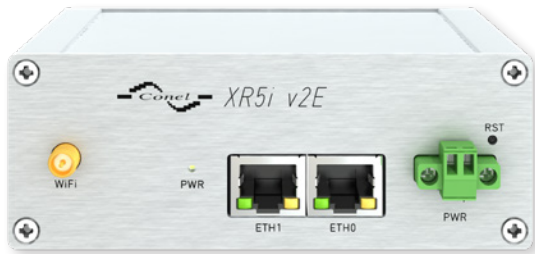
# Industrial Routers LAN ROUTER

XR5i v2E Series

B+B SMARTWORX

Powered by

ADVANTECH



## 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 XR5i v2E 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

## ORDERING INFORMATION

**Note: Check with your local distributor for availability and options. Contact Advantech B+B SmartWorx distributors.**

Europe, Middle East, Africa, Asia, South America, Latin America.

BB - XR2L000XXX

### 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

## XR5i v2E Series



### 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

## R-SEENET™

Router Management Software consisting of two parts:

**R-SeeNet Server** application can be programmed to automatically send SNMP queries (Simple Network Management Protocol) to each router defined in the network. The application retrieves status information from the routers and records it in the SQL database.

**R-SeeNet PHP** is a web-based application that accesses the SQL database and provides the network administrator detailed information on individual routers and network health.

## SMARTWORX HUB™

**SmartWorx HUB** takes management of your devices to new levels of flexibility and efficiency. Giving you a complete view of your installed device population, SmartWorx Hub delivers invaluable configuration, diagnostic and management facilities directly to your desktop, wherever you are.

Manage a single device or your entire device population at the same time. Whether you need to modify configuration parameters, download or upgrade installed firmware and applications or view detailed information regarding network statistics, you can do it all from any location.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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