

BXP/DRP/RKP Series

Intel® Atom®/Core™/Celeron® Powered Industrial Computers

- Rich set of interfaces with expansion options to meet your application needs
- Fanless design for long-term stability and easy maintenance
- Industrial reliability with -30 to 60°C operating temperature range
- 3-year product warranty
- Configure-to-order (CTO) service for easy assembly and faster time to market



Your Trusted Partner in Automation

Moxa is a leading provider of edge connectivity, industrial computing, and network infrastructure solutions for enabling connectivity for the Industrial Internet of Things (IIoT). With 35 years of industry experience, Moxa has connected more than 102 million devices worldwide and has a distribution and service network that reaches customers in more than 85 countries. Moxa delivers lasting business value by empowering industries with reliable networks and sincere service. Information about Moxa's solutions is available at www.moxa.com.

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Boost Your Industrial Automation

With Our Adaptable and Reliable Computers



BXP Series
Box Computers



DRP Series
DIN-rail Computers



RKP Series
Rackmount Computers

A New Generation of BXP/DRP/RKP Series x86 Industrial Computers

Boost Your Industrial Automation With Our Adaptable and Reliable Computers

Data from endpoint devices is exponentially increasing. System builders, integrators, and plant operators have to face the challenge of leveraging this data and computing technology to improve operational efficiency through various system automations and integrations.

Moxa offers a new generation of BXP/DRP/RKP Series industrial computers that focus on rapid system development to support scalable, flexible, reliable, and cost-effective computing solutions. The new x86 industrial computers are built with a pre-formulated configure-to-order architecture and come with a 3-year warranty to easily meet diverse system development and integration requirements.

The BXP/DRP/RKP Series industrial computers offer 75 bare-bones models as a starting point. Through simple selections, you can quickly choose from a list of predefined form factors, processors, and data interfaces. Our configure-to-order (CTO) service offers a variety of operating system, memory, and storage options, making system assembly easier than ever.

You can easily create a ready-to-use industrial computer for your needs by placing a CTO order with us. System integrators and machine builders can build customized solutions with the necessary computing, connectivity, and communication elements, enabling faster and easy fulfillment of automation scenarios.

Adaptable

The new x86 IPC family offers 75 bare-bones models, helping customers quickly identify the right ready-to-use solution through a 4-step selection process, reducing time to market and costs.

- Versatile portfolio meets most industrial-automation requirements
- Configure-to-order service (CTOS) for OS, memory, and storage
- 4 simple steps to identify a best fit

Customization Friendly

As industrial applications evolve, their requirements are changing. We at Moxa strive to provide you with tailor-made solutions that best meet your needs even for an order with significantly lower number of units. Leveraging the modular architecture of the new x86 IPCs, our product development team is adept at quickly developing a solution that can meet your specific needs.

- Favorable customization criteria and service
- Modular design enables flexible customization
- Shorter prototyping and customization process

Reliable and Durable

With over 35 years of industrial automation expertise, we are committed to providing our customers with maximum value and success through durable quality, long-term supply and in-time support services.

- 3-year Moxa warranty for product quality
- 10-year product longevity* commitment
- Moxa's industry-renowned post-sales service

**Starting from the product release date in 2023/2024.*

3-year Warranty

4-step Selection

BXP/DRP/RKP Series System Architecture

1 Form Factors x 3

Box IPC DIN-rail IPC Rackmount IPC

2 Interface Options

Ethernet Serial Video

USB DI/DOs

3 Processor Types x 5

Atom® Dual Core Celeron® Core™ i5

Atom® Quad Core Core™ i7

4

Storage (SSD) Memory (DDR 4)

OS (Windows)

Filter Across **75 Standard Models**

Avail Our **Configure-to-order Service**

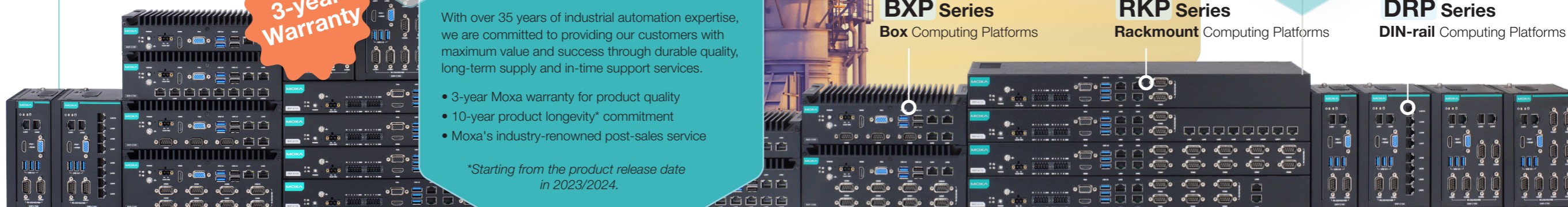
BXP/DRP/RKP Series

Intel® Atom®/Core™/Celeron® Powered Industrial Computers

BXP Series
Box Computing Platforms

RKP Series
Rackmount Computing Platforms

DRP Series
DIN-rail Computing Platforms



4-step Solution Formulation for Fast System Development

Simply specify your requirements in three steps to find the computing solution that fits your application from an array of DRP/BXP/RKP Series industrial computers.

1 Select a form factor.

Which computer model can be easily installed in the current system space without requiring additional brackets?



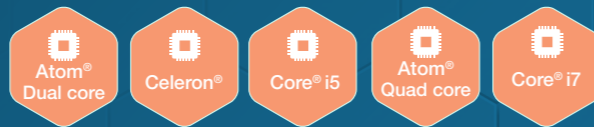
2 Select interface combinations.

Which devices need to be connected to the computer, and what types of interfaces are necessary for these connections?



3 Select a processor.

Considering your application's data collection and processing requirements, which processor is most suitable for driving optimal performance?



4 Select the final pieces to complete your system.

Save time and cost with our configure-to-order options that get your system ready for use.



i System Memory

- 8 GB DDR4 (built-in)
- 16 GB DDR4
- 32 GB DDR4

ii Storage Capacity

- 64 GB SSD
- 128 GB SSD
- 256 GB SSD
- 512 GB SSD
- 1 TB SSD

iii Operating System

- Windows 10 IoT Enterprise LTSC
- Windows 11 Professional

3-year Warranty

Our x86 computers are verified against strict industry standards for manufacturing quality and performance to reduce failures and unplanned downtime, thereby lowering the total cost of ownership.

10-year Life-cycle Commitment

In line with Intel's IoTG* roadmap, our new x86 product portfolio offers 10-year life-cycle support to maximize your system's return on investment.

*IoTG: The Internet of Things Group

BXP Series Box Computers

BXP-C100 Series

Box computers with a Tiger Lake 11th Gen Intel® Core™ processor and models with high-density interfaces



	BXP-C100 (Base Model)	BXP-C100 (Base + 8 LAN)	BXP-C100 (Base + 8 COM)	BXP-C100 (Base + 2 LAN / 3 COM)
Form Factor	Box computer			
CPU	11th Gen Intel® Core™ i7-1185G7E, i5-1145G7E, or Celeron® 6305E			
Video Output	1 HDMI, 1 VGA			
LAN Ports	2	10	2	4
Serial Ports	2	2	10	5
USB Ports	USB 3.0 x 2 + USB 2.0 x 4			
DI/Os	4 DIs, 4 DOs			
Power Input	12/24 VDC			
Certificates	CE, FCC, UL, BSMI			
Operating Temp.	-30 to 60°C			
Dimensions (mm)	210 x 166 x 48	210 x 166 x 65.5	210 x 166 x 83	210 x 166 x 65.5

BXP-A100 Series

Box computers with an Elkhart Lake Intel Atom® X Series processor and models with high-density interfaces

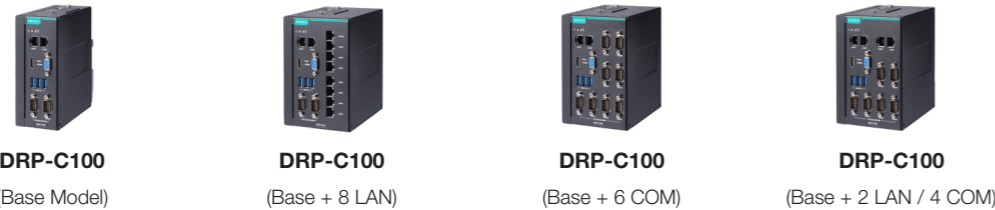


	BXP-A100 (Base Model)	BXP-A100 (Base + 8 LAN)	BXP-A100 (Base + 8 COM)	BXP-A100 (Base + 2 LAN / 3 COM)
Form Factor	Box computer			
CPU	Intel Atom® Elkhart Lake, dual-core x6211E or quad-core x6425E processor			
Video Output	1 HDMI, 1 VGA			
LAN Ports	2	10	2	4
Serial Ports	2	2	10	5
USB Ports	USB 3.0 x 2 + USB 2.0 x 4			
DI/Os	4 DIs, 4 DOs			
Power Input	12 / 24 VDC			
Certificates	CE, FCC, UL, BSMI			
Operating Temp.	-30 ~ 60°C			
Dimensions (mm)	210 x 166 x 48	210 x 166 x 65.5	210 x 166 x 83	210 x 166 x 65.5

DRP Series DIN-rail Computers

DRP-C100 Series

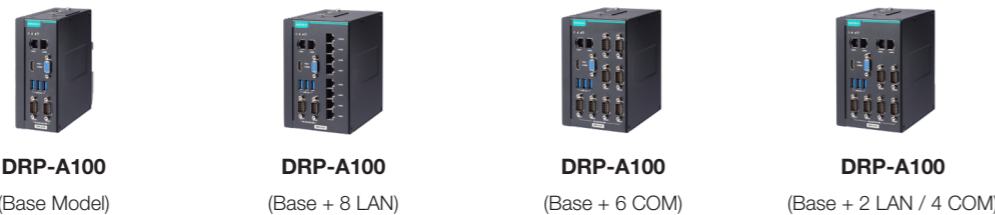
DIN-rail computers with a Tiger Lake 11th Gen Intel® Core™ processor and models with high-density interfaces



Form Factor	DIN-rail computer			
CPU	11th Gen Intel® Core™ i7-1185G7E, i5-1145G7E, or Celeron® 6305E processor			
Video Output	1 HDMI, 1 VGA			
LAN Ports	2	10	2	4
Serial Ports	2	2	8	6
USB Ports	3 USB 3.0			
DI/Os	-			
Power Input	12/24 VDC			
Certificates	CE, FCC, UL, BSMI			
Operating Temp.	-30 to 60°C			
Dimensions (mm)	60 x 150 x 130	94 x 150 x 130	94 x 150 x 130	94 x 150 x 130

DRP-A100 Series

DIN-rail computers with an Elkhart Lake Intel Atom® X Series processor and models with high-density interfaces



Form Factor	DIN-rail computer			
CPU	Intel Atom® Elkhart Lake, dual-core x6211E or quad-core x6425E processor			
Video Output	1 HDMI, 1 VGA			
LAN Ports	2	10	2	4
Serial Ports	2	2	8	6
USB Ports	3 USB 3.0			
DI/Os	-			
Power Input	12/24 VDC			
Certificates	CE, FCC, UL, BSMI			
Operating Temp.	-30 to 60°C			
Dimensions (mm)	60 x 150 x 130	94 x 150 x 130	94 x 150 x 130	94 x 150 x 130

RKP Series Rackmount Computers

RKP-C110 Series

Rackmount computers with a Tiger Lake 11th Gen Intel® Core™ processor and models with high-density interfaces



Form Factor	Rackmount 1U computer			
CPU	11th Gen Intel® Core™ i7-1185G7E, i5-1145G7E, or Celeron® 6305E			
Video Output	1 HDMI, 1 VGA			
LAN Ports	4	12	4	6
Serial Ports	2	2	10	6
USB Ports	3 USB 3.0			
DI/Os	8 DIs, 8 DOs			
Power Input	12/24 VDC			
Certificates	CE, FCC, UL, BSMI			
Operating Temp.	-30 to 60°C			
Dimensions (mm)	440 x 230 x 43.6	440 x 230 x 43.6	440 x 230 x 43.6	440 x 230 x 43.6

RKP-A110 Series

Rackmount 1U computers with an Elkhart Lake Intel Atom® X Series processor base model and high density interface models



Form Factor	Rackmount 1U computer			
CPU	Intel Atom® Elkhart Lake, dual-core x6211E or quad-core x6425E processor			
Video Output	1 HDMI, 1 VGA			
LAN Ports	4	12	4	6
Serial Ports	2	2	10	6
USB Ports	3 USB 3.0			
DI/Os	8 DIs, 8 DOs			
Power Input	12/24 VDC			
Certificates	CE, FCC, UL, BSMI			
Operating Temp.	-30 to 60°C			
Dimensions (mm)	440 x 230 x 43.6	440 x 230 x 43.6	440 x 230 x 43.6	440 x 230 x 43.6