

## 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](http://www.moxa.com).

# 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?



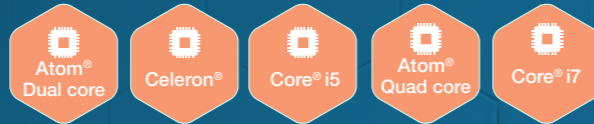
## 2 Select interface combinations.

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



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

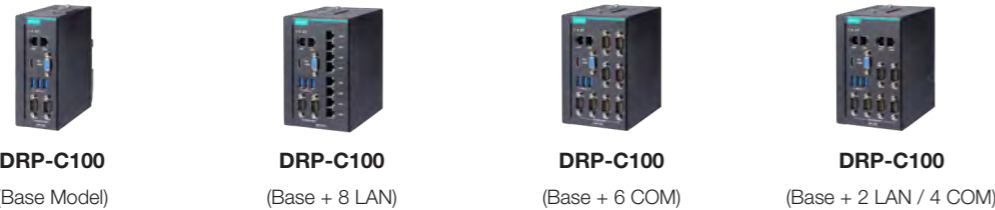


<b>Form Factor</b>	Box computer			
<b>CPU</b>	Intel Atom® Elkhart Lake, dual-core x6211E or quad-core x6425E processor			
<b>Video Output</b>	1 HDMI, 1 VGA			
<b>LAN Ports</b>	2	10	2	4
<b>Serial Ports</b>	2	2	10	5
<b>USB Ports</b>	USB 3.0 x 2 + USB 2.0 x 4			
<b>DI/Os</b>	4 DIs, 4 DOs			
<b>Power Input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



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



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



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



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