

## BXP/DRP/RKP Series

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

- Rich interfaces and expansion options to meet your specific 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) models 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 94 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).



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**BXP Series**  
Box Computers



**DRP Series**  
DIN-rail Computers



**RKP Series**  
Rackmount Computers

A New Generation of BXP/DRP/RKP Series Configure-to-order x86 Industrial Computers ◀

# Boost Your Industrial Automation With Our Flexible 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 various system development and integration requirements.

The BXP/DRP/RKP Series industrial computers offer more than 75 barebones models as a starting point. 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.

In fact, you can 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.

### Platform Scalability

The new x86 portfolio delivers multiple processor options and versatile connectivity interfaces in diverse form factors to streamline your system development, integration, and installation needs.

- Scalable performance with 11th Gen Intel® processors
- Diverse connectivity options
- Various form factors for easy installation
- Easy upgrade and maintenance with trapdoor design for drives and slots

### Configuration Flexibility

In addition to processor, form factor, and interface options, the new x86 computer family offers CTO services, providing additional choices for operating system, memory, and storage capacity.

- Provides CTO options for OS, memory, and storage
- Saves valuable development time and cost

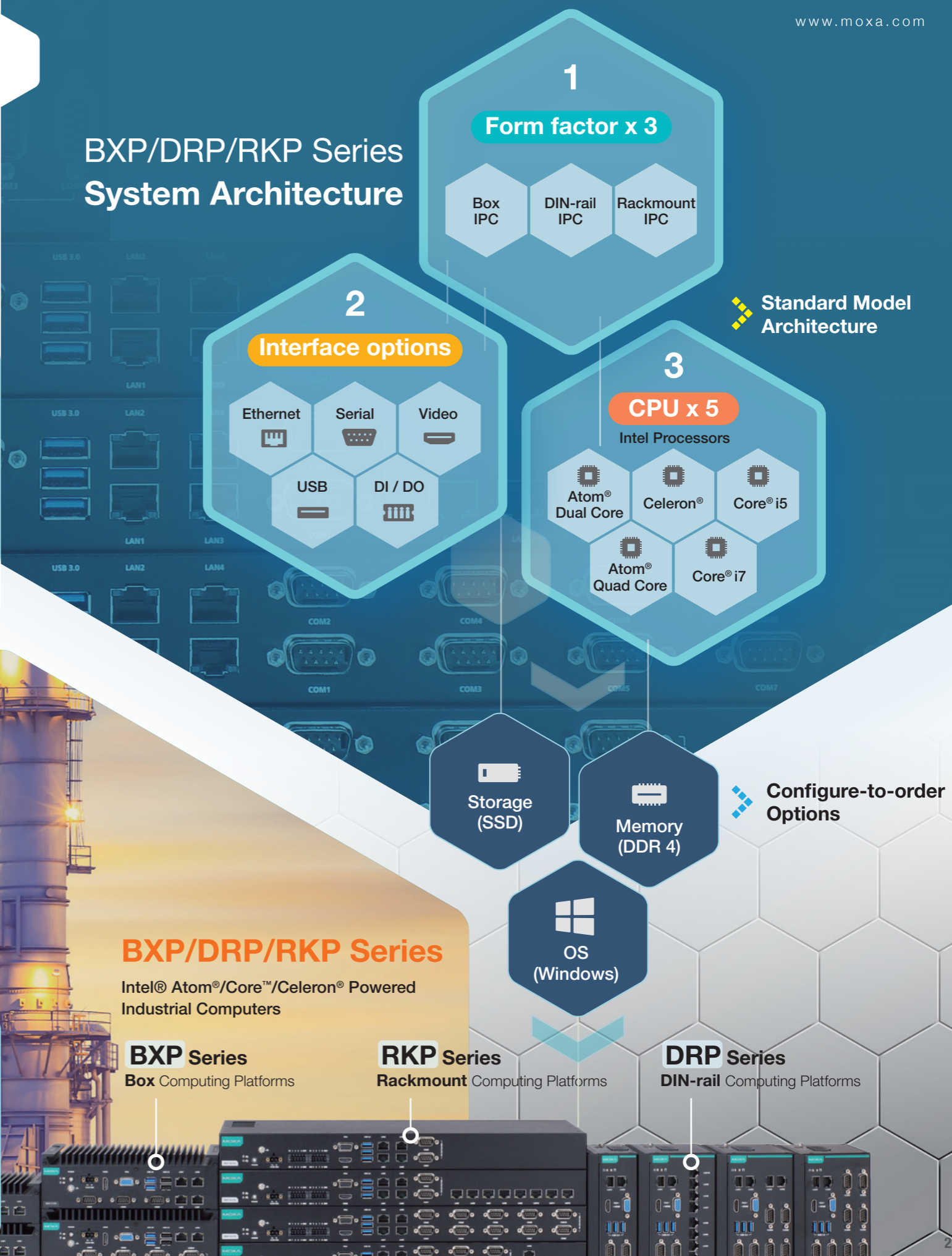
### Durability and Reliability

The new x86 platforms support a wide operating temperature range under harsh conditions. The fanless sealed design reduces issues such as fan failure and ingress of dust, moisture, or airborne particles.

- Wide operating temperature range
- Fanless design for long-term stability and reliability
- 3-year warranty for quality assurance

**3-year Warranty**

## BXP/DRP/RKP Series System Architecture



Standard Model Architecture

Configure-to-order Options

### 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



# 3 Key Selection Criteria for Efficient System Development

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

Box IPC    DIN-rail IPC    Rackmount IPC

Ethernet    Serial    Video  
USB    DI / DO

Atom® Dual core    Celeron®    Core® i5  
Atom® Quad core    Core® i7

**1 Select a Form Factor**  
Which computer model can be easily installed in your 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 the CPU Power**  
Considering the system's data collection and processing requirements, which CPU processor is most suitable for driving optimal performance?

Configure to Order



# Multiple Choices for System Configuration and Assembly

Save time and cost with our configure-to-order options to build the system that meets your needs.

Memory

Storage (SSD)

OS

**1 Select System Memory**  
 8 GB DDR4 (built-in)     16 GB DDR4     32 GB DDR4

**2 Select Storage Capacity**  
 64 GB SSD     128 GB SSD     256 GB SSD  
 512 GB SSD     1 TB SSD

**3 Select Operating System**  
 Windows 10 LTSC  
 Windows 11 Professional

## 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)

<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



**BXP-A100**  
(Base Model)



**BXP-A100**  
(Base + 8 LAN)



**BXP-A100**  
(Base + 8 COM)



**BXP-A100**  
(Base + 2 LAN / 3 COM)

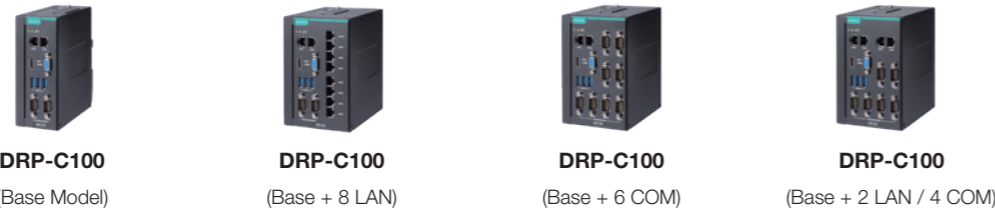
<b>Form Factor</b>	Box computer			
<b>CPU</b>	Intel Atom® Elkhart Lake, dual-core x6211E or quad-core x6425E processor			
<b>Video Output</b>	1 HDMI, 1 VGA			
<b>LAN Ports</b>	2	10	2	4
<b>Serial Ports</b>	2	2	10	5
<b>USB Ports</b>	USB 3.0 x 2 + USB 2.0 x 4			
<b>DI/Os</b>	4 DIs / 4 DOs			
<b>Power Input</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

\*BXP-A100 Series will be available in Nov 2023

# DRP Series DIN-rail Computers

## DRP-C100 Series

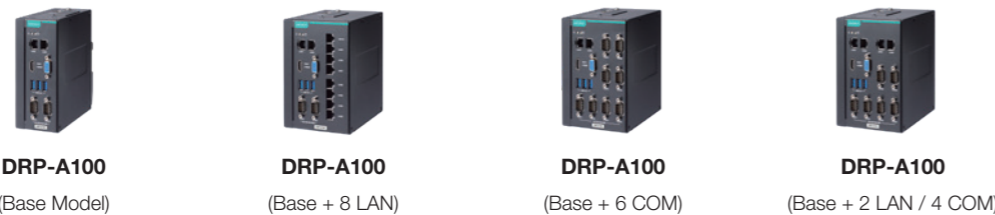
DIN-rail computers with a Tiger Lake 11th Gen Intel® Core™ processor and models with high-density interfaces



<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

\*DRP-A100 Series will be available in Nov 2023

# 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-C110 Series will be available in Jan 2024

## 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