Moxa Inc.
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Product Discontinuance Notification—PDN# 0000450767

August 3, 2026

Dear Valued Customer,

The NE-4100 Series has been a trusted cornerstone of industrial connectivity embedded modules for decades. To ensure your operations remain resilient in an era of evolving challenges, Moxa will start a strategic migration of the NE-4100 Series to the MiiNePort Series, effective July 01, 2026.

Cybersecurity resilience is driving this transition as global security standards become stricter, and the NE-4100's legacy hardware struggles to counter contemporary cyberthreats, as well as the supply/availability risks due to legacy hardware component end-of-life. Therefore, the MiiNePort Series is slated to replace the NE-4100 Series. Concurrently, an upgrade plan for the MiiNePort Series is underway for 2027 to comply with the EU Cyber Resilience Act (CRA).

The End of Service (EoS) date will be March 31, 2033. Following this date, all support services—including technical assistance, new software upgrades, and new security fixes—will no longer be available. Hardware warranty, repair, and replacement services remain subject to the standard warranty policy for these products.

Which products will be EOL?

EOL Product	Last-buy Period Start Date	Last-buy Period End Date	Last Shipment Date
NE-4100T Series	**July 01, 2026**	**March 31, 2027**	**September 30, 2027**
NE-4110S/A Series			
NE-4120S/A Series			
NE-4100-ST Series			

Please review the details below to determine how this discontinuation will affect your products and/or operations.

How will discontinuation affect your products?

The products that will be EOL and the models recommended to replace the soon-to-be-EOL models are listed in the following table:

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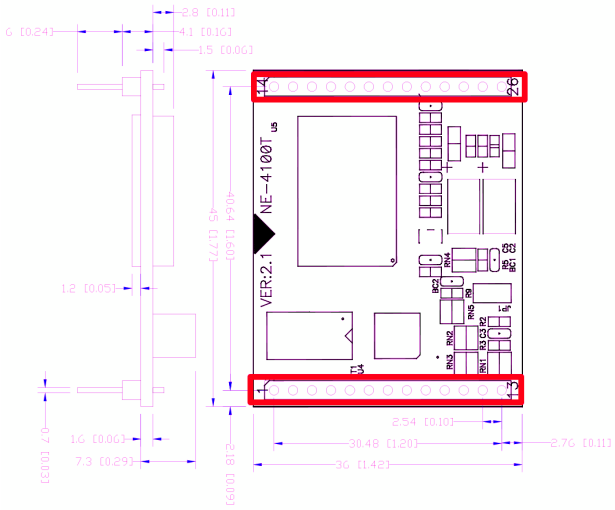
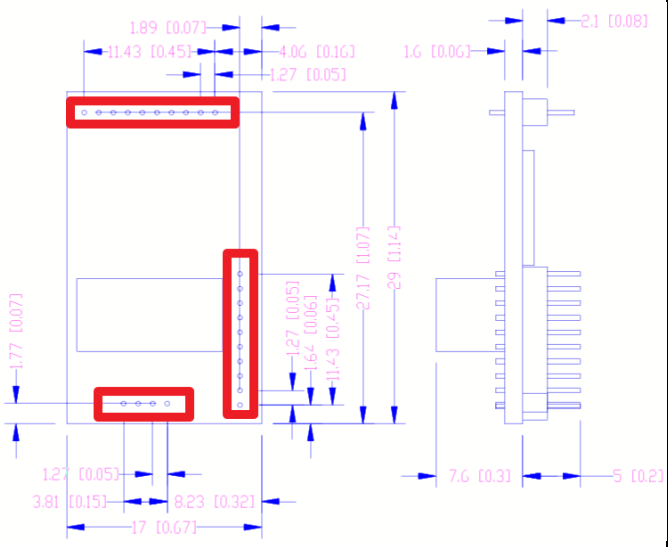
There are two key aspects regarding the migration from the NE-4100 Series to the MiiNePort Series.

1. The dimensions, footprint, connector type, and pin assignments will change.
2. The serial signals may need additional conversions when migrating to the MiiNePort platform.
   - The NE-4110/NE4120 serial port uses RS-232 or RS-422/485 signals, while the MiiNePort Series operates with TTL signals.
   - To use RS-232 or RS-422/485 signals with the MiiNePort Series, select the MiiNePort E2-**ST** or MiiNePort E3-**ST** with an EVB for built-in RS-232/422/485 conversion capability.
   - Buy an appropriate external TTL-to-serial transceiver to use on the attached motherboard layout during the redesign.

EOL Product	Specification	Successor Product	Specification
NE-4100T(-T) 	Ethernet: 26-pin, dual, inline Serial: TTL Dimensions: 45 x 36 mm	**MiiNePort E2(-T)** 	Ethernet: 4-pin pin header Serial: TTL Dimensions: 29 x 17 mm
Footprint of NE-4100T(-T) 		**Footprint of MiiNePort E2(-T)** 	

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EOL Product	Specification	Successor Product	Specification

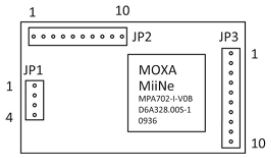
Pin Assignments of NE-4100T(-T)

NE-4100T

Pin	Signal
1	ETx+
2	ETx-
3	ERx+
4	ERx-
5	10M LED
6	TXD
7	RXD
8	RTS
9	CTS
10	–
11	GND
12	GND
13	TXD1*

Pin	Signal
14	PIO0
15	PIO1/Reset**
16	PIO2
17	PIO3
18	100M LED
19	DCD
20	DSR
21	DTR
22	GND
23	Ready LED
24	+5V
25	+5V
26	RXD1*

Pin Assignments of MiiNePort E2(-T)



JP1

Pin	Signal Name	Function
1	Ethernet Tx+	Ethernet Transmit Data+
2	Ethernet Tx-	Ethernet Transmit Data-
3	Ethernet Rx+	Ethernet Receive Data+
4	Ethernet Rx-	Ethernet Receive Data-

JP2

Pin	Signal Name	Function
1	100M LED	Ethernet 100M LED
2	10M LED	Ethernet 10M LED
3	LRXD	Receive Serial Data
4	LTXD	Transmit Serial Data
5	LDCD	Data Carrier Detect
6	RS485_EN	RS-485 Enable
7	LRTS	Request To Send
8	LDTR	Data Terminal Ready
9	LDSR	Data Set Ready
10	LCTS	Clear To Send

JP3

Pin	Signal Name	Function
1	DIO0	Programmable Input/Output
2	DIO2	Programmable Input/Output
3	DIO3	Programmable Input/Output
4	DIO1	Programmable Input/Output
5	Reserved	N/A
6	Reserved	N/A
7	SW Reset	Reset To Factory Default
8	GND	Circuit Ground
9	Ready LED	System is Ready LED
10	VCC	Power Supply

NE-4110S Series NE-4110A Series 	Ethernet: RJ45 Serial: **RS-232 (NE-4110S)** **RS-422/485(NE-4110A)** Form factor: pin header Dimensions: 57 x 40 mm	MiiNePort E3(-T) 	Ethernet: RJ45 Serial: **TTL** Form factor: pin header Dimensions: 52.5 x 35 mm

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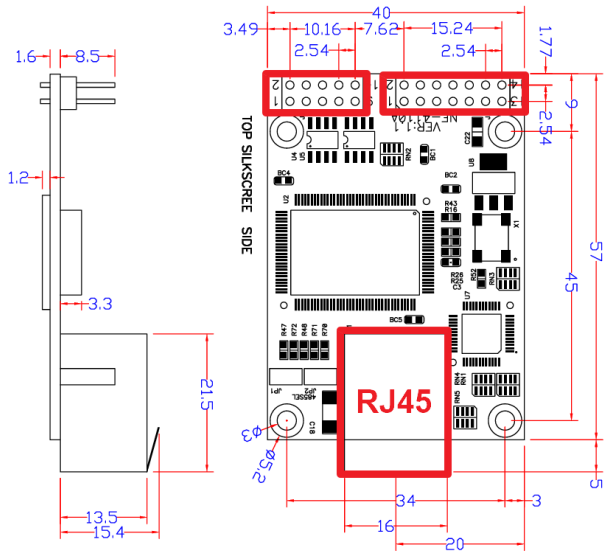
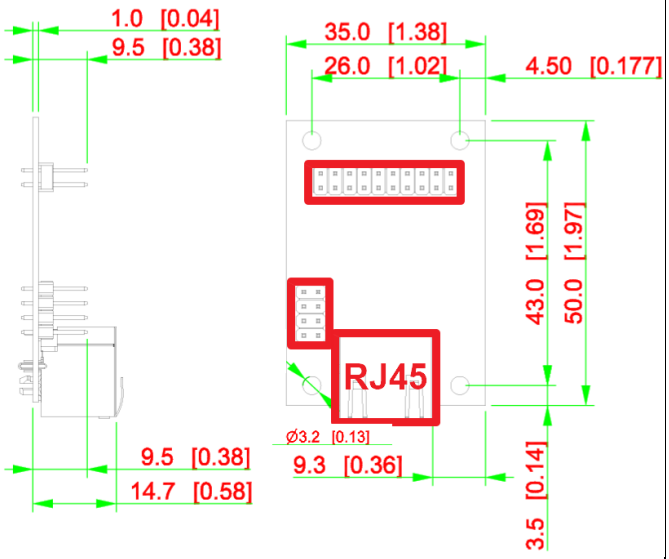
Footprint of the NE-4110S/A Series



Footprint of the MiiNePort E3(-T)



Pin Assignments for the NE-4110S/A Series

NE-4110S Serial Header Pinouts (J1)

NC	10	9	NC
CTS0	8	7	RTS0
DSR0	6	5	GND
DTR0	4	3	TxD0
RxD0	2	1	DCD0

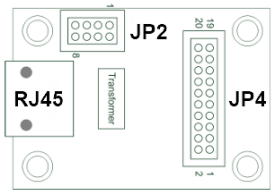
NE-4110A Serial Header Pinouts (J1)

NC	10	9	NC
NC	8	7	NC
NC	6	5	GND
RxD-	4	3	RxD+
TxD+	2	1	TxD-

NE-4110S and NE-4110A DIO and LED Header Pinouts (J2)

GND	14	13	VCC(+5V)
GND	12	11	VCC(+5V)
DIO0	10	9	10M_LED
DIO1	8	7	100M_LED
DIO2	6	5	Ready_LED
DIO3	4	3	Reset
TxD1	2	1	RxD1

Pin Assignments for the MiiNePort E3(-T)



Ethernet Pins (JP2)

Pin	Signal Name	Function
1	Reserve	N/A
2	Reserve	N/A
3	Reserve	N/A
4	Reserve	N/A
5	PoE signal pair 1	PoE power from Tx signal
6	PoE spare pair 1	PoE power from RJ45 4, 5 pin
7	PoE signal pair 2	PoE power from Rx signal
8	PoE spare pair 2	PoE power from RJ45 7, 8 pin

Serial Pins and Power Pins (JP4)

Pin	Signal Name	Function
1	Serial Rx	Receive Serial Data
2	Ready LED	System to Ready LED
3	Serial Tx	Transmit Serial Data
4	GPIO	Programmable I/O, DIO0
5	DCD	Receive Line Signal Detector
6	GPIO	Programmable I/O, DIO2
7	RS485_EN0	RS-485 Enabled
8	GPIO	Programmable I/O, DIO3
9	RTS	Request to Send
10	GPIO	Programmable I/O, DIO1
11	DTR	Data Terminal Ready
12	Reserve	N/A
13	DSR	Data Set Ready
14	Reserve	N/A
15	CTS	Clear to Send
16	SW_Reset	Reset to Factory Default
17	Reserve	N/A
18	Reserve	N/A
19	GND	Circuit Ground
20	VCC	Power Supply

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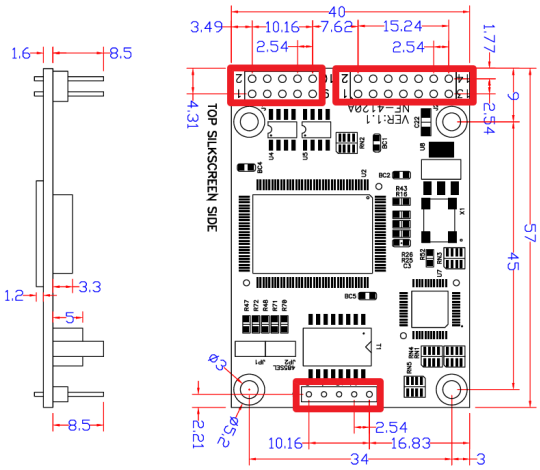
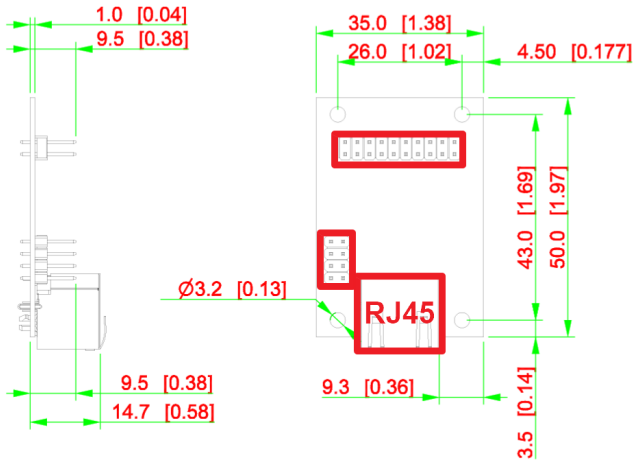
EOL Product	Specification	Successor Product	Specification
NE-4120S Series NE-4120A Series 	Ethernet: 5-pin pin header Serial: **RS-232 (NE-4120S)** **RS-422/485(NE-4120A)** Form factor: pin header Dimensions: 57 x 40 mm	MiiNePort E3(-T) 	Ethernet: **RJ45** Serial: **TTL** Form factor: pin header Dimensions: 52.5 x 35 mm

Footprint of the NE-4120S/A Series



Footprint of the MiiNePort E3(-T)



Pin Assignments for the NE-4120S/A Series

NE-4120S Serial Header Pinouts (J1)

NC	10	9	NC
CTS0	8	7	RTS0
DSR0	6	5	GND
DTR0	4	3	TxD0
RxD0	2	1	DCD0

NE-4120A Serial Header Pinouts (J1)

NC	10	9	NC
NC	8	7	NC
NC	6	5	GND
RxD-	4	3	RxD+
TxD+	2	1	TxD-

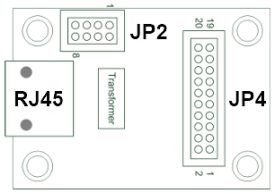
NE-4120S and NE-4120A Ethernet Header Pinouts (J3)

Tx+	1	
Tx-	2	
	3	
Rx+	4	
Rx-	5	

NE-4120S and NE-4120A DIO and LED Header Pinouts (J2)

GND	14	13	VCC(+5V)
GND	12	11	VCC(+5V)
DIO0	10	9	10M_LED
DIO1	8	7	100M_LED
DIO2	6	5	Ready_LED
DIO3	4	3	Reset
TxD1	2	1	RxD1

Pin Assignments for the MiiNePort E3(-T)



Ethernet Pins (JP2)

Pin	Signal Name	Function
1	Reserve	N/A
2	Reserve	N/A
3	Reserve	N/A
4	Reserve	N/A
5	PoE signal pair 1	PoE power from Tx signal
6	PoE spare pair 1	PoE power from RJ45 4, 5 pin
7	PoE signal pair 2	PoE power from Rx signal
8	PoE spare pair 2	PoE power from RJ45 7, 8 pin

Serial Pins and Power Pins (JP4)

Pin	Signal Name	Function
1	Serial Rx	Receive Serial Data
2	Ready LED	System to Ready LED
3	Serial Tx	Transmit Serial Data
4	GPIO	Programmable I/O, DIO0
5	DCD	Receive Line Signal Detector
6	GPIO	Programmable I/O, DIO2
7	RS485_EN0	RS-485 Enabled
8	GPIO	Programmable I/O, DIO3
9	RTS	Request to Send
10	GPIO	Programmable I/O, DIO1
11	DTR	Data Terminal Ready
12	Reserve	N/A
13	DSR	Data Set Ready
14	Reserve	N/A
15	CTS	Clear to Send
16	SW_Reset	Reset to Factory Default
17	Reserve	N/A
18	Reserve	N/A
19	GND	Circuit Ground
20	VCC	Power Supply

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The northbound application, which connects to the NE-4100 Series, also requires validation. For most cases, we can use the standard built-in Moxa firmware of the NE-4100 Series. The application software lives on a host PC and communicates via Real COM drivers or directly through TCP/UDP sockets. This method requires lower migration efforts with no recompilation needed.

The recommended step-by-step validation process is as follows:

1. Reconfigure the MiiNePort device as per the original setup of the NE-4100.
   - Reconfigure IP, operation mode, and serial settings such as baudrate, to ensure the serial port functionality is appropriate.
     MiiNePort configurations are accessible via the web console or Device Search Utility (DSU).
2. For COM-based applications using Moxa Drivers, remap the COM port mappings from the original NE-4100 to the new MiiNePort.
   - The supported driver version will remain the same; no version update required between the NE-4100 Series and the MiiNePort.
3. For TCP/UDP raw socket applications, ensure the MiiNePort uses the same TCP port 4001 default and the same socket behavior.
   - Double-check to ensure the IP address aligns with your host application's configuration.
4. Verify the functional compatibility of your application between the NE-4100 and MiiNePort Series.

For legacy NE-4100 programmable models (-P models) that use NE SDK for programmable firmware on the NE-4100 Series, migration to the MiiNePort Series will involve full-code migration and recompilation using the MiiNePort Series' SDK because of difference in architectures. If you have any questions, please contact your regional sales representative.