



**CADMUS**

# Product Catalog 2021

Melody  
2021.03.16

# ODM/OEM Service

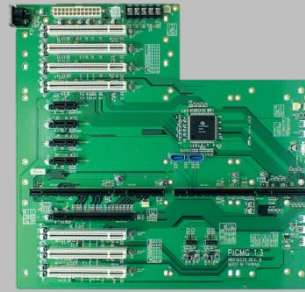
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# Products

**AI Edge computer**



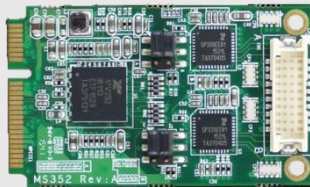
**Industrial Backplane**



**Industrial motherboard**



**Mini PCIe converter module**



**Add on card**






**M.2 converter module**



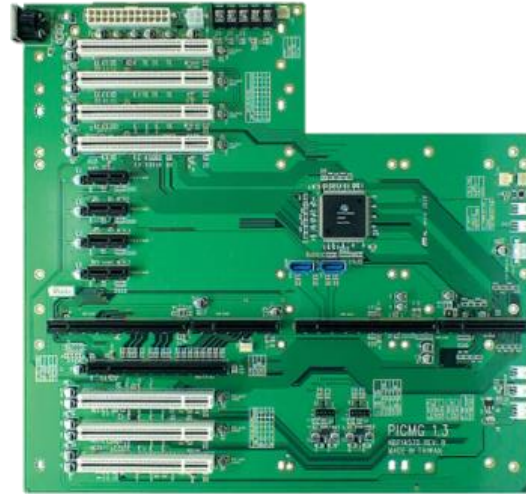
# AI Edge computer






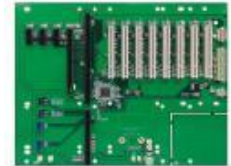

# AI Edge computer

Model name	CPU generation	Chipset	Expansion	I/O
<b>VIC200HM</b>	Intel 6th /7th Gen Core Support TDP up to 65W	H110	1 PCIe x16	2 x Gigabit RJ-45 Ethernet port
			1 PCIe x4	2 x independent display (DP & DVI-I)
			1 Mini PCIe x1	Support +19V DC input
Model name	CPU generation	Chipset	Expansion	I/O
<b>VIC280</b>	Intel 6th /7th Gen Core Support TDP up to 65W	H110	1 PCIe x16	2 x Gigabit RJ-45 Ethernet port
			1 PCIe x4	2 x independent display (DP & DVI-I)
			1 PCIe x1	Support +19V to +32V DC input
Model name	CPU generation	Chipset	Expansion	I/O
<b>VIC306</b>	Intel 8th /9th Gen Core Support TDP up to 95W	Q370	1 PCIe x16	2 x Gigabit RJ-45 Ethernet port
			2 PCIe x4	2 x independent display (DP & DVI-I)
			1 PCIe x1	Support +19V to +32V
			1 M.2 2280 M key	DC input






# Industrial Backplane



# PICMG1.3 Full size






Model name	System architecture	Dimension	I/O slot
 BP5310S	5 slot backplane	317 x 110 (mm)	1 PClex16 3 PCI
 BP0522	5 slot backplane	317 x 110(mm)	1 PClex16 1 PClex4 2 PCI
 BP0926	10 slot backplane	327 x 221(mm)	1 PClex16 1 PClex4 6 PCI
 BP1358	10 slot backplane	317 x 268 (mm)	1 PClex16 3 PClex1 8 PCI
 BP1412X1	14 slot backplane	317 x 273 (mm)	12 PCIe x 1

# PICMG1.3 Full size





Model name	System architecture	Dimension	I/O slot
 BP142A0	14 slot backplane	317 x 327 (mm)	1 PCIe16 1 PCIe4 10 PCI
 BP14570	14 slot backplane	317 x 327 (mm)	1 PCIe16 4 PCIe1 7 PCI
 BP8648S	14 slot backplane	317 x 273 (mm)	8 PCIe4 4 PCIe1
 BP14670	14 slot backplane	317 x 328 (mm)	1 PCIe16 4 PCIe4 7 PCI
 NBP14880	14 slot backplane	317 x 328 (mm)	2 PCIe16 5 PCIe4 4 PCI



# PICMG1.3 **Half** size

Model name	System architecture	Dimension	I/O slot
 <p>NBP1468</p>	<p>14 slot backplane for PICMG1.3</p>	<p>317 x 181 mm</p>	<p>1 PCIe16 5 PCIe4 1 PCIe x 1 4 PCI</p>
 <p>NBP1465</p>	<p>14 slot backplane for PICMG1.3</p>	<p>317 x 181 mm</p>	<p>1 PCIe x16 1 PCIe x 8 3 PCIe x 4 1 PCIe x1 5 PCI</p>
 <p>NBP1257</p>	<p>14 slot backplane for PICMG1.3</p>	<p>317 x 181 mm</p>	<p>1 PCIe16 4 PCIe1 7 PCI</p>
 <p>NBP1037</p>	<p>10 slot backplane for PICMG1.3</p>	<p>231 x 181 mm</p>	<p>1 PCIe16 1 PCIe8 3 PCIe4 2 PCIe1</p>
 <p>NBP1052</p>	<p>10 slot backplane for PICMG1.3</p>	<p>231 x 181 mm</p>	<p>2 PCIe16 (1 PCIe16 or 2 PCIe8) 3 PCIe4 2 PCI</p>



# PICMG1.3 Half size

Model name	System architecture	Dimension	I/O slot
 <p>NBP05P2</p>	5 slot backplane for PICMG1.3	181 x 167 mm	2 PCiex16 (1 PCiex16 or 2 PCiex8) 1 PCIe x4 2 PCI
 <p>NBP1024</p>	10 slot backplane for PICMG1.3	228 x 181 mm	1 PCiex16 4 PCiex4 1 PCI
 <p>NBP06E5</p>	5 slot backplane for PICMG1.3	210.8 x 135.8 mm	1 PCiex16 2 PCiex4 1 PCIe
 <p>NBP06P2</p>	5 slot backplane for PICMG1.3	210.8 x 148.4 mm	1 PCiex16 2 PCiex4 2 PCI

# Industrial motherboard



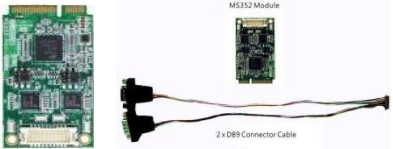




# Industrial motherboard

PICMG1.3		Half size	
Model name	CPU socket	Memory	Display
	LGA 1151 6th/7th Generation	Up to 32 GB of dual-channel	Supports triple display
	Intel® Xeon® and Core™ i7/i5/i3		DVI-I (VGA)
	Half-size SHB Support PCIe 3.0	DDR4 1866/2133 MHz	DVI-D (HDMI)
	DP		
PICMG1.3		Full size	
Model name	CPU socket	Memory	Display
	LGA 1151 8th/9th Generation	Up to 64 GB of dual-channel	Supports triple display
	Intel® Xeon® and Core™ i9/ i7/i5/i3		DVI-I (VGA)
	Full-size SHB Support PCIe 3.0	DDR4 1866/2133 MHz	DVI-D (HDMI)
	DP		

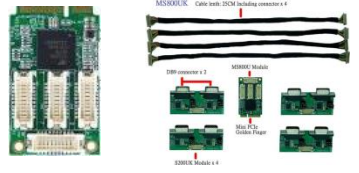

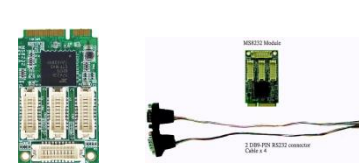


# Mini PCIe converter module



# Mini PCIe converter module- Serial/COM card

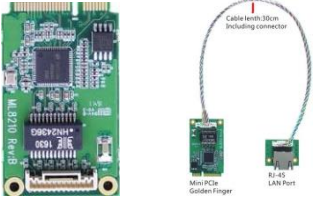
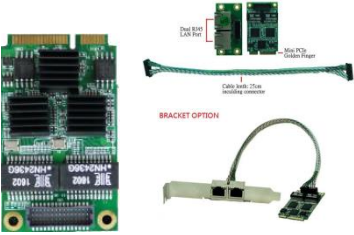
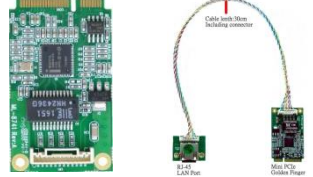
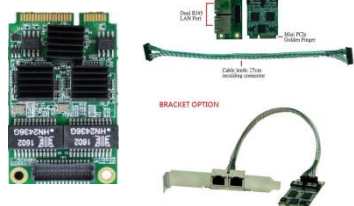
Model name	Specifications	Working temperature
 <p>MS352</p>	<p>Switchable 2 port RS-232/422/485 (w/t DB9 connector cable *2)</p>	<p>-40°C~85°C</p>
 <p>MS400</p>	<p>4 port RS-232 (w/t DB9 connector cable *4 (L=25cm))</p>	<p>-40°C~85°C</p>
 <p>MS400F</p>	<p>4 port RS-232 (w/t MS400*1, MS400K board *1, 20pin cable *2 , HDR44pin to 4 DB9 cable L=25cm)</p>	<p>-40°C~85°C</p>
 <p>MS500</p>	<p>Switchable 4 port RS-422 or RS-485 (w/t DB9 connector cable *4 (L=25cm))</p>	<p>-40°C~85°C</p>
 <p>MS800U</p>	<p>8 Port URAT</p>	<p>-40°C~85°C</p>

# Mini PCIe converter module- Serial/COM card

Model name	Specifications	Working temperature
 <p>MS800UK</p>	<p>8 Port URAT (w/t MS800U*1, S200UK module *4, DB9 connector *2, cable L=25cm including connector *4)</p>	<p>-40°C~85°C</p>
 <p>MS8232</p>	<p>8 port RS-232 (w/t DB9-PIN RS232 connector cable *4 (L=25cm))</p>	<p>-40°C~85°C</p>
 <p>MS8232F</p>	<p>8 Port RS-232 (w/t DB9-PIN RS232 connector cable *4 (L=25cm))</p>	<p>-40°C~85°C</p>
 <p>MSP952</p>	<p>1 Port RS-232 + 1 Parallel Port (w/t MS8232 *1, MS400K board*2, 20pin cable *2 , HDR44pin to 4 DB9 cable L=25cm)</p>	<p>-40°C~85°C</p>
 <p>ISO2323-S/D</p>	<p>Isolated RS232 Module ISO2323-S : Half RS232 Signal ISO2323-D : Full RS232 Signal</p>	<p>0°C~70°C</p>





# Mini PCIe converter module- LAN card


Model name	Specifications	Working temperature
 <p>ML8210</p>	<p>Intel® i210AT Single-port RJ-45 GigE (w/t cable L=30cm including connector *1, RJ45 LAN port)</p>	<p>0°C ~ 70°C</p>
 <p>PEL210SB</p>	<p>Intel® i210AT Dual-port RJ-45 GigE (w/t cable L=25cm including connector *1, RJ45 LAN port) <b>Opinion: Bracket</b></p>	<p>0°C ~ 70°C</p>
 <p>ML8741</p>	<p>Intel® 82574L Single-port RJ-45 GigE (w/t cable L=30cm including connector *1, RJ45 LAN port)</p>	<p>0°C ~ 85°C</p>
 <p>PEL874SB</p>	<p>Intel® 82574L Dual-port RJ-45 GigE (w/t w/t cable L=25cm including connector *1, RJ45 LAN port) <b>Opinion: Bracket</b></p>	<p>0°C ~ 85°C</p>



# Mini PCIe converter module- USB card

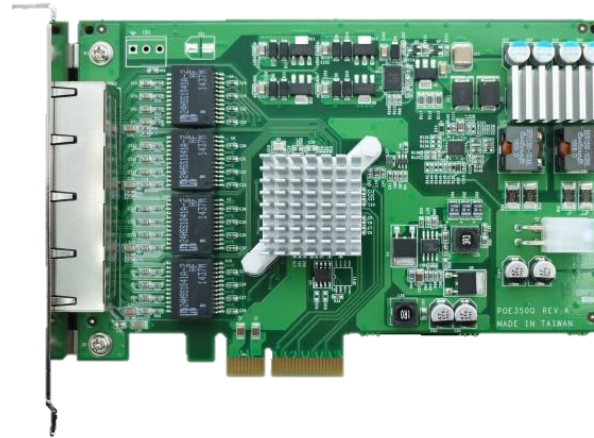
Model name	Specifications	Working temperature
 <p data-bbox="565 505 715 548">MU852</p>	<p data-bbox="932 482 1793 576">4 port USB2.0 PCI Express® Mini Card Module (USB HUB)</p>	<p data-bbox="2035 505 2232 548">0°C -85°C</p>
 <p data-bbox="565 765 715 808">MU990</p>	<p data-bbox="907 739 1819 833">4 port USB2.0 PCI Express® Mini Card Module (PCIe to USB)</p>	<p data-bbox="2035 765 2232 808">0°C -85°C</p>

# Mini PCIe converter module- DIO card





Model name	Specifications	Working temperature
 GIO352U	16bit GPIO & dual port UART Communication PCI Express® Mini Card Module	-40°C ~ 85°C

# Add on card




- LAN card
- USB card
- Serial/comport card
- PoE card
- Motion card
- TPM module




# PClex4 Card to LAN

Model name	Specifications	Working temperature
 <p>PXE350D</p>	<p>Intel® I350-AM2 <b>2-port</b> RJ-45 GigE PCI Express Expansion Card</p>	<p>-10°C -55°C</p>
 <p>PXE350Q</p>	<p>Intel® I350-AM4 <b>4-port</b> RJ-45 GigE PCI Express Expansion Card</p>	<p>-10°C -55°C</p>
 <p>PXE628</p>	<p>Intel® I210AT <b>2-port</b> RJ-45 GigE PCI Express Expansion Card</p>	<p>0°C -70°C</p>
 <p>PXE210Q</p>	<p>Intel® I210AT <b>4-port</b> RJ-45 GigE PCI Express Expansion Card</p>	<p>0°C -70°C</p>




# PClex4 Card to LAN

Model name	Specifications	Working temperature
 PXE608	Intel® I210AT <b>4-port</b> RJ-45 GigE PCI Express Expansion Card	0°C -70°C
 PXE210IT	Intel® I210IT <b>4-port</b> RJ-45 GigE PCI Express Expansion Card	-40°C to 85°C
 PL8608X4	Intel® 82574L <b>4-port</b> RJ-45 GigE PCI Express Expansion Card	0°C -85°C



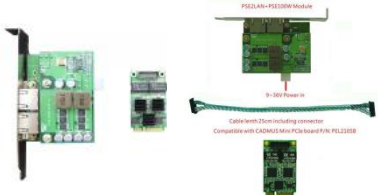
# PCIex4 Card to USB3.0

Model name	Specifications	Working temperature
 PXE304BX	PCI Express x4, 4-Port USB 3.0 Expansion Card	0°C -70°C

# PClex1 Card to Serial/COM



Model name	Specifications	Working temperature
 <p>PRS358-232</p>	<p>8 port RS232 PCI Express Serial Communication Card</p>	<p>-40°C ~ 85°C</p>
 <p>PRS358C</p>	<p>8 port RS232/422/485 PCI Express Serial Communication Card</p>	<p>-40°C ~ 85°C</p>
 <p>PRS338Q</p>	<p>4 port RS232/RS485/RS422 16bit GPIO PCI Express Serial Communication Card</p>	<p>-40°C ~ 85°C</p>

# PoE card

Model name	Form factor	Lan controller	I/O and specifications	Working temperature
PoE350Q 	PCI-Express x 4 slots	Intel i350	4 port RJ-45 Copper - Support AT / AF mode - 12V~36V power input	-10°C -55°C
PoE350D 	PCI-Express x 4 slots	Intel i350	2 port RJ-45 Copper - Support AT / AF mode - 12V~36V power input	-10°C -55°C
PoE9210 (PEL210SB) 	PCI Express* Mini Card SPEC. (PSE2L+PSE10W module, w/t cable L=25cm including connector *1)	Intel i210-AT	2 port RJ-45 Copper - Support AT / AF mode - 12V~36V power input	0°C -70°C



# TPM module

Model name	Specifications
 EBK-TPM	TPM1.2/2.0 Module via LPC connector
 D-TPM	TPM1.2/2.0 Module via LPC connector




# Motion card

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# M.2 converter module



# M.2 converter module

Model name	Specifications	Working temperature
 <p>M80-H32</p> 	<p>M.2 to 8 Port RS232 Converter Module (w/t cable L=25cm including connector *1, LAN port module/ <a href="#">Bracket</a>)</p>	<p>-10°C ~ 55°C</p>
 <p>MF350D</p>	<p>Intel® i350 Dual-port RJ-45 GigE, NGFF Converter Module</p>	<p>-10°C ~ 70°C</p>

The background features abstract blue geometric shapes. In the top-left corner, there are overlapping triangles in dark blue, medium blue, and light blue. At the bottom, there is a series of overlapping, rounded mountain-like shapes in various shades of blue, from light to dark.

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