



Connect Tech Inc.

Embedded Computing Experts

www.connecttech.com

Product Change Notification

CTI Product Migrating from Intel 82574 to i210

PCN Number:	CTIU-00031
Revision:	0.03
Issue Date:	2023-07-31
Effective Date:	2023-07-31

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1 Document Revision History

Revision	Date	Change
0.00	2021-03-09	Initial release
0.01	2021-12-02	Updated released revisions of CCG008, CCG018, CCG020 Updated expected revisions of ASG005, CCG011, CCG012
0.02	2023-05-15	Updated MPG101/MPG102
0.03	2023-07-31	Updated ASG001, ASG006 Add notes on CCG010, CCG022, CCG030

2 Product Identification

Note : Given the current global semiconductor component crisis, particularly Intel ethernet controllers, Connect Tech will continue to ship product based on the 82574 Ethernet controller while inventory is available.

2.1 Product Data

Part Number	Product Name	Current Version Using 82574	Expected Future Versions Using I210
NVIDIA Based Product			
ASG001, ASG012	Astro Carrier for NVIDIA® Jetson™ TX2/TX2i	REV H	ASG021 2023-Q3
ESG501-XX (contains ASG001)	Rosie Embedded System with NVIDIA® Jetson™ TX2/TX2i	See ASG001, ASG012 carrier revision	
ASG006, ASG009	Spacely Carrier for NVIDIA® Jetson™ TX2/TX2i	REV G	ASG026, ASG029 2023-Q3
ASG005	Not for resale standalone	REV E	REV F
ESG503-XX, ESG504-XX, ESG505-XX, ESG506-XX (contains ASG005)	Rudi Embedded System with NVIDIA® Jetson™ TX2	See ASG005 carrier revision	
ASG9xx	Custom product	Sales will be in direct contact with customers who have custom designed product using the Intel 82574	
COM Express Based Product			
CCG007	COM Express® Type 6 PMC/XMC Carrier Board	REV B	REV C
CCG008	COM Express® Type 6 Ultra Lite Carrier Board	REV C, D	REV E : 2021-Q4
CCG010	COM Express® Type 10 Mini Carrier Board	REV A	REV B, 2024-Q1 (**)
CCG020	COM Express® Type 10 Mini Carrier Board	REV B, C	REV D : 2022-Q1
CCG011, CCG012	COM Express® Type 6 Rugged Ultra Lite Carrier Board	REV D, E	REV F : 2022-Q1
ESG101 (contains CCG011)	Ruggedized Embedded Systems	See CCG011 carrier revision	
CCG013	COM Express® Type 6 PMC/XMC Ultra Lite Carrier	REV B	REV C
CCG014	Not for resale standalone	REV H	REV I, 2024-Q1
VXGxxx, DXGxxx (contains CCG014)	COM Express® + GPU Embedded System	See CCG014 carrier revision	
CCG016	COM Express® Type 6 PMC/XMC Lite Carrier	REV C	REV D
CCG017	COM Express® Type 6 104e	REV D	REV E : 2022-Q2
CCG018	COM Express® Type 6 104e	REV C	REV D, E : 2021-Q4
CCG022	COM Express® Type 10 PC Connector Carrier	REV C	REV D, 2024-Q1 (**)

CCG030	COM Express® Type 10 Stacking Carrier	REV E	REV F : 2023-Q4 (**)
ESG401 (contains CCG030)	The Kube	See CCG030 carrier revision	
CCG060	COM Express® Type 6 Stacking Carrier	REV D	REV E
CCG9xx	Custom product	Sales will be in direct contact with customers who have custom designed product using the Intel 82574	
Mini PCIe Based Product			
MPG101, MPG102	Single Port Mini PCIe GbE	REV C	MPG111, MPG112: 2023-Q2
MPG104	Dual Port Mini PCIe GbE	REV E	MPG110 : 2021-Q4
Single Board Computer (SBC) Based product			
QKG201, QKG202, QKG203, QKG204, QKG205, QKG206	TrailBlazer/SBC	REV C	Not recommended for new design; likely end of life.
QCG9xx	Custom product	Sales will be in direct contact with customers who have custom designed product using the Intel 82574	
VPG001	GraphiteVPX/CPU – 3U VPX SBC	REV D	REV E
VPG003	Graphite VPX/CPU-TX1	REV D	End of Life
VPG003-21, VPG003-31	Graphite VPX/CPU-TX2/TX2i	REV D	REV E
VPG9xx	Custom Product	Sales will be in direct contact with customers who have custom designed product using the Intel 82574	

(**) Schedule based on product demand; subject to change.

2.2 Means of Distinguishing Changed Products

		Remark
Product Number	<input checked="" type="checkbox"/>	Refer to the Above list in Section 1.1
Hardware Revision	<input checked="" type="checkbox"/>	To be updated on a per part basis, please contact Sales or Customer Support for details.
Lot Code	<input type="checkbox"/>	N/A
Label	<input type="checkbox"/>	N/A
Other	<input type="checkbox"/>	

3 Description and Reason of Change

AVL	<input type="checkbox"/>	Product Improvement	<input type="checkbox"/>
Material	<input checked="" type="checkbox"/>	BIOS Release	<input type="checkbox"/>
Assembly Process	<input type="checkbox"/>	Firmware Release	<input type="checkbox"/>
Assembly BOM	<input type="checkbox"/>	Datasheet / Manual	<input type="checkbox"/>
Testing	<input type="checkbox"/>	DFM	<input type="checkbox"/>
Manufacturing Site	<input type="checkbox"/>	Other	<input type="checkbox"/>
Equipment	<input type="checkbox"/>		

The following Material P/Ns are EOL or under EOL Notice by the Product Manufacturer:

Part Number	Product Description	Product Replacement
WG82574IT	Intel® 82574L Gigabit Ethernet Controller	Intel® Ethernet Controller I210

Vendor Product EOL Notice

A key material used in the production of the P/N listed in Section 1.1 has become EOL by the Manufacturer. A last time buy for the material has been purchased and all products listed above will continue to use until stock is depleted. At that point all product will move to the suggested replacement part.

4 Impact of change (positive or negative) on fit, form, function & reliability

4.1 Quality and Reliability

There is no change to quality or reliability.

4.2 Software Compatibility

Linux:

A driver change will be required:

	82574	I210
Latest release	e1000e-3.8.4	igb-5.5.2

Windows:

May require an update using their “Intel® Network Adapter Driver for Windows x”
The 82574 is not supported using the Windows 10 Driver

Downloads can be found at:

<https://downloadcenter.intel.com/product/64399/Intel-Ethernet-Controller-I210-Series>

4.3 Hardware Compatibility

There is no change to hardware compatibility to downstream connected ethernet devices.

4.4 Mechanical Compatibility

There is no change to mechanical compatibility.

5 Product / Revision Discontinuation

Please be advised that the effective date may change for individual Part Numbers depending on stock availability. Please contact Connect Tech Sales with any questions or concerns.

6 Contact Information

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