



Connect Tech Inc.

Embedded Computing Experts

Qseven & COM Express Carrier/Module Compatibility List

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Date:	14/09/2017
Revision:	0.15

Revision History

Revision	Date	Author(s)	Change
0.00	04/02/2013	Matt Ferraro	Created to replace KDB330
0.01	09/04/2013	John Gardhouse	Added Arbor, QA6 for QCG001/012
0.02	14/06/2013	Matt Ferraro	Added COM Express tab, conga-QMX6
0.03	18/07/2013	Matt Ferraro	Added MSC Q7-IMX6, removed untested entries
0.04	06/12/2013	Rob Callaghan	Added Conga-QA3, QCG014
0.05	12/06/2014	Tomas Chester	Added QCG201, Updated Conga-QA3
0.06	01/08/2014	Griffin Lacey	Updated Conga-QA3, fixed QCG201 features
0.07	27/01/2015	Matt Reffle	Updated COM Type 6 and 10
0.08	22/09/2015	Aaron Leung	Merged missing title page and data with rev 0.07
0.11	11/01/2016	Alex Pizzi	Added ADLink cExpress-HL and ADLink nanoX-BT
0.12	03/06/2016	Alex Pizzi	Added ADLink Express SL/SLE
0.13	01/09/2016	Alex Pizzi	Added Aetina TK1, fixed some formatting
0.14	07/11/2016	Alex Pizzi	Added Aaeon NanoCOM & COMSKU, Added CCG016, CCG018
0.15	14/09/2017	Kara Price	Updated format to PDF

Legend

Y	Feature tested and supported
N	Feature tested and does not work
?	Feature compatibility pending
-	Module has not been tested

Module	Processor	BIOS Version	QCG011					QCG012					QCG015					QCG201																		
			miniPCIe	SATA	GBE	USB	USB Client	LVDS	mSATA	SATA	GBE	USB	USB Client	LVDS	mSATA	SATA	GBE	USB	USB Client	HDMI	LVDS	mSATA	SATA	GBE	USB 2.0	USB 3.0	DisplayPort	HDMI	LVDS	Serial (RS-232)	CAN Bus					
congatec modules																																				
conga-QA	Intel Z500		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
conga-QA6 (A.1,B.2)	Intel E600	QTOPR000	Y	Y	Y	Y	?	Y	Y	Y	Y	?	Y	Y	[12]	Y	Y	Y	Y	Y	Y	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	
conga-QAF	AMD G-T4xx		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
conga-QA3	Intel E3826	QA32R011	Y	Y	Y	Y	N	Y	-	-	-	-	-	-	Y	Y	Y	Y	-	N	Y	Y	Y	Y	Y	Y	[13]	[13]	[7]	?	-	-	-	-		
conga-QMX6	Freescale MX6	N/A	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	-	Y	Y	Y	Y	Y	[8]	[8]	-	-	-	-	-	-	-	-	
SECO modules																																				
Quadmo747-EXTREME, XL	Intel Z500PT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MSC modules																																				
Q7-US15W, -FD	Intel Z500	2.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Q7-IMX6	Freescale i.MX6	N/A	Y	Y	Y	Y	[7]	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q7-TCTC-FD	Intel E600	3.1	Y	Y	Y	Y	[7]	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q7-NT2	Nvidia T290	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q7-A50M	AMD G-T4xx		Y	Y	Y	Y	N	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portwell Modules																																				
Arbor Modules																																				
EmQ-i2506	Intel Z500		Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Module	Processor	BIOS Version	Notes	CCG001																
				Boot	PCIe104	SATA	GBE	USB	VGA	LVDS	Serial (SIO)	Kbd (SIO)	ATX Pwr							
congatec modules																				
conga-BAF	AMD G-T4xx			Y	Y	Y	Y	Y	[4]	Y	[1]	[1]	Y							
Radisys Modules																				
Portwell Modules																				

Notes:

[1] At time testing Super I/O features were NOT supported by current module BIOS. Contact module vendor for more details and possible BIOS updates

Module	Processor/Chipset	Notes	cccp016													
			Short form PCIe = 3000	PCIe = 3000	PCIe = 3000	PCIe = 3000	PCIe = 3000	PCIe = 3000	PCIe = 3000	PCIe = 3000	PCIe = 3000	PCIe = 3000	PCIe = 3000	PCIe = 3000	PCIe = 3000	
CompuLab																
Compaq TCA	Intel Atom N2800, N110	Only 2 x USB 3.0 Ports														
Compaq TFS	AMD R-464L, A70M	No USB @ miniPCle														
Compaq T567	Intel® Core™ i7 3rd Gen, QM77															
Compaq T577	Intel® Core™ i7 3rd Gen, QM77															
Compaq T587	Intel® Core™ i7 4th Gen, QM87															
Compaq T597	Intel® Core™ i5 5th Gen,	no vga														
Radway																
CRQM77	Intel® Core™ i7 3rd Gen, QM77															
Portwell																
PCDM B215VG	Intel® Core™ i7 3rd Gen, QM77															
ADLink																
ESPRIMO-HPR	Intel® Core™ i7 3rd Gen, QM77															
Express-HP	Intel® Core™ i7 3rd Gen, QM77															
Express-HL	Intel® Core™ i7 4th Gen, QM87															
Express-HL	Intel® Core™ i7-4650U 4th Gen, SoC															
Express-SL/SL	Intel Neon, E3-1505L															
MPC																
MPC C88-7A	Intel® Core™ i7, QM77															
GE Intelligent Platforms																
LCOMSL-11400	Intel® Core™ i7 3rd Gen, QM77															
Advantech																
SOM-5892	Intel® Core™ i7 3rd Gen, QM77															
SOM-5894	Intel® Core™ i7 4th Gen, QM87	testing done by customer														
SOM-5894	Intel® Core™ i7 4th Gen, QM87	4CT-37A1E														
Maxcom																
ICS-671-4300U	Intel® Core™ i6 4th Gen	SATA doesn't work for some HDD														
Gettac																
ACE-CE-761	ARM Cortex-A15	*Din module														
Aspen																
COM-M11CG	i7-6600U, 2.6/3.4GHz															

- V Feature tested and supported
- P Partial feature set compatibility
- N Feature tested and does not work
- T Not Tested
- N/C Not Supported by Carrier
- N/M Not Supported by Module

List of tested modules:

Boot	Mini PCIe	HDMI	DP	LVDS	VGA	GBE (Mod)	GBE (PCIe)	USB 2.0	USB 3.0	USB Client	Serial (Mod)	Serial (PCIe)	HD Audio	GPIO	SATA	mSATA	SD Card
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Vendor	Product	Notes	Boot	Mini PCIe	HDMI	DP	LVDS	VGA	GBE (Mod)	GBE (PCIe)	USB 2.0	USB 3.0	USB Client	Serial (Mod)	Serial (PCIe)	HD Audio	GPIO	SATA	mSATA	SD Card	
Congatec	conga-MA3																				
GE-IP	mCOM10-L1500																				
Advantech	SOM-7565																				
ADLink	nanoX-TC																				
VersaLogic	VL-COMm-26																				
Kontron	COMe-mCT10																				
Kontron	COMe-mBTi10		Y	Y	Y	Y	N	N	Y	Y	Y	N/C	Y		Y	Y	Y	Y	Y	Y	Y
ADLink	nanoX-BT	Only 4 usb ports	Y	Y	Y	Y	N	N	Y	Y	Y	N	Y		Y	Y	N	Y	Y	Y	N
		Type-10 with CCG010: <ul style="list-style-type: none"> • Tries to boot • Display port works • USB does not work and cannot go through any more tests since keyboard doesn't work... <ul style="list-style-type: none"> o Tried different carries and same issue o Pins supply power but USB devices are not recognized and no lights appear 																			
Nexxcom	Type-10																				
Aaeon	NANOCOM-SKU-A02-E001	10, 20 & 30 w/ XBG201 breakout all work	Y	Y	N	Y	Y	N	Y	Y	Y	Y	Y		Y	Y		Y	Y		