

Items that, by their nature or specific characteristics, can be used for both civilian and military purposes are referred to as dual-use items.

Most industrialized countries maintain export controls on certain designated dual-use technologies, as required by various international treaties. These controls restrict the export of specific goods and technologies without prior government authorization.

In Germany, the Außenwirtschaftsgesetz (Foreign Trade and Payments Act) and the Außenwirtschaftsverordnung (Foreign Trade and Payments Ordinance) govern such export controls.

An Export Control Classification Number (ECCN) is an alphanumeric code assigned to items including goods, technology, and software by the U.S. Department of Commerce's Bureau of Industry and Security (BIS).

This classification system is based on a slightly modified version of the list maintained by the Wassenaar Arrangement, an international agreement under which participating countries commit to implementing export controls on dual-use items.

Board	CPU	ECCN of CPU	ECCN of WLAN/BT
armStone			
aStoneMX8MP-V2	NXP i.MX8M Plus QuadLite	5A992C	No WLAN/BT
aStoneMX8MP-V4I	NXP i.MX8M Plus Quad	5A992C	5A992C
aStoneMX8MP-V24I	NXP i.MX8M Plus Quad	5A992C	5A992C
aStoneMX8MP-V5	NXP i.MX8M Plus QuadLite	5A992C	No WIFI/BT
aStoneA5.2-V1	NXP Vybrid Single Core	3A991A2	No WIFI/BT
aStoneA5.2-V2	NXP Vybrid Dual Core	5A992C	No WIFI/BT
aStoneA5C2	NXP Vybrid Dual Core	5A002A1A	No WIFI/BT
aStoneA5-V1	NXP Vybrid Single Core	3A991A2	No WIFI/BT
aStoneA9r2-V2I	NXP i.MX6 Solo	5A992C	No WIFI/BT
aStoneA9r2-V3	NXP i.MX6 Dual Lite	5A992C	5A992C
aStoneA9r2-V4	NXP i.MX6 Dual Lite	5A992C	5A992C
aStoneA9r2-V5	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
aStoneA9r3-V1	NXP i.MX6 Quad Core	5A992C	No WIFI/BT
aStoneA9r3-V2I	NXP i.MX6 Solo	5A992C	No WIFI/BT
aStoneA9r3-V3I	NXP i.MX6 Dual lite	5A992C	No WIFI/BT
aStoneA9r4-V2I	NXP i.MX6 Solo	5A992C	No WIFI/BT
aStoneA9r4-V3	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
aStoneA9r4-V4	NXP i.MX6 Quad	5A992C2	No WIFI/BT
aStoneA9-V1.3	NXP i.MX6 Quad Core	5A992C	No WIFI/BT
aStoneA9-V1	NXP i.MX6 Quad Core	5A992C	No WIFI/BT
aStoneA9-V2.3I	NXP i.MX6 Solo	5A992C	No WIFI/BT
aStoneA9-V2I	NXP i.MX6 Solo	5A992C	No WIFI/BT
aStoneA9-V3I	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
aStoneMX8ULP-V2I	NXP i.MX 8ULP Dual	5A992C	No WIFI/BT
aStoneMX8ULP-V4I	NXP i.MX 8ULP Dual	5A992C	No WIFI/BT
aStoneMX8M-V4	NXP i.MX8M Quad	5A992C	No WIFI/BT
efus			
EFUSA7UL-V1I	NXP i.MX 6ULL	5A992C	No WIFI/BT
EFUSA7UL-V1	NXP i.MX 6ULL	5A992C	No WIFI/BT
EFUSA7UL-V2	NXP i.MX 6UL	5A992C	No WIFI/BT
EFUSA7UL-V3	NXP i.MX 6ULL	5A992C	5A992C
EFUSA7UL-V4	NXP i.MX 6ULL	5A992C	5A992C
EFUSA9-2DV4	NXP i.MX 6Quad	5A992C	No WIFI/BT
EFUSA9R2-V2.2	NXP i.MX 6Dual Lite	5A992C	No WIFI/BT
EFUSA9R2-V2	NXP i.MX 6Solo	5A992C	No WIFI/BT

EFUSA9R2-V3I-1D	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
EFUSA9R2-V3I	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
EFUSA9R2-V3	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
EFUSA9R2-V4I	NXP i.MX6 Quad	5A992C	No WIFI/BT
EFUSA9R2-V4	NXP i.MX6 Quad	5A992C	No WIFI/BT
EFUSA9-V2	NXP i.MX6 Solo	5A992C	No WIFI/BT
EFUSA9-V3.3	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
EFUSA9-V3I-1D	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
EFUSA9-V3I	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
EFUSA9-V3	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
EFUSA9-V4.3	NXP i.MX6 Quad	5A992C	No WIFI/BT
EFUSA9-V4I	NXP i.MX6 Quad	5A992C	No WIFI/BT
EFUSA9-V4	NXP i.MX6 Quad	5A992C	No WIFI/BT
EFUSA9-V5	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
EFUSA9XR2-V2	NXP i.MX6 Solo X	5A992C	No WIFI/BT
EFUSA9X-V2	NXP i.MX6 Solo X	5A992C	No WIFI/BT
EFUSA9X-V4	NXP i.MX6 Solo X	5A992C	5A992C
EFUSA9X-V8	NXP i.MX6 Solo X	5A992C	5A992C
EFUSA9X-V9.3	NXP i.MX6 Solo X	5A992C	5A992C
EFUSA9X-V9	NXP i.MX6 Solo X	5A992C	5A992C
EFUSMX8MP-V3I	NXP i.MX8M Plus Quad	5A992C	No WIFI/BT
EFUSMX8MP-V4	NXP i.MX8M Plus Quad Lite	5A992C	No WIFI/BT
EFUSMX8MP-V5	NXP i.MX8M Plus Quad Lite	5A992C	5A992C
EFUSMX8X-V1	NXP i.MX8X Quad X Plus	5A992C	No WIFI/BT
EFUSMX8X-V4	NXP i.MX8X Quad X Plus	5A992C	5A992C
EFUSMX93-V4I	NXP i.MX93 Dual Full	5A992C	5A992C
NetDCU			
NDCU14-ANC	Samsung S5PV210	5A992C	No WIFI/BT
NDCU14-PREM	Samsung S5PV210	5A992C	No WIFI/BT
NDCUA5.2-V1B	NXP Vybrid	3A991A2	No WIFI/BT
NDCUA5.2-V1IB	NXP Vybrid	3A991A2	No WIFI/BT
NDCUA5.2-V1I	NXP Vybrid	3A991A2	No WIFI/BT
NDCUA5.2-V1	NXP Vybrid	3A991A2	No WIFI/BT
NDCUA5-V1B	NXP Vybrid	3A991A2	No WIFI/BT
NDCUA5-V1i	NXP Vybrid	3A991A2	No WIFI/BT
NDCUA5-V1	NXP Vybrid	3A991A2	No WIFI/BT
NDCUA9-V1	NXP Vybrid Solo	5A992C	No WIFI/BT
NDCUA9-V2I	NXP i.MX6 Solo	5A992C	No WIFI/BT
NDCUA7-V1I	NXP i.MX 6ULL	5A992C	No WIFI/BT
NDCUA7-V1IB	NXP i.MX 6ULL	3A991A2	No WIFI/BT
NDCUA7-V2I	NXP i.MX 6ULL	5A992C	No WIFI/BT
PicoCOM			
PCOM1	ATMEL	3A991A2	No WIFI/BT
PCOM1.2-V1I	NXP i.MX 6UL	5A992C	No WIFI/BT
PCOM1-32D64F	ATMEL	3A991A2	No WIFI/BT
PCOM1-64D64FN	ATMEL	3A991A2	No WIFI/BT
PCOM1ATO-32D64F-LI	ATMEL	3A991A2	No WIFI/BT
PCOM4	Samsung	3A991A2	No WIFI/BT
PCOM4.2	Samsung	3A991A2	No WIFI/BT
PCOM4-64D128FA	Samsung	3A991A2	No WIFI/BT

PCOM4-64D64FA	Samsung	3A991A2	No WIFI/BT
PCOMA5.2-V1I	NXP Vybrid	3A991A2	No WIFI/BT
PCOMA5.2-V1	NXP Vybrid	3A991A2	No WIFI/BT
PCOMA5.2-V2	NXP Vybrid	3A991A2	No WIFI/BT
PCOMA5-V1I	NXP Vybrid	3A991A2	No WIFI/BT
PCOMA5-V1	NXP Vybrid	3A991A2	No WIFI/BT
PCOMA5-V2	NXP Vybrid	5A992C	No WIFI/BT
PCOMA5-V3I	NXP Vybrid	3A991A2	No WIFI/BT
PCOMA5-V3	NXP Vybrid	3A991A2	No WIFI/BT
PCOMA7-V1	NXP i.MX 6ULL	5A992C	No WIFI/BT
PCOMA7-V3	NXP i.MX 6ULL	5A992C	No WIFI/BT
PCOMA9X.2-V2	NXP i.MX 6SoloX	5A992C	No WIFI/BT
PCOMA9X.2-V3	NXP i.MX 6SoloX	5A992C	No WIFI/BT
PCOMA9X-V1	NXP i.MX 6SoloX	5A992C	No WIFI/BT
PCOMA9X-V2	NXP i.MX 6SoloX	5A992C	No WIFI/BT
PCOMA9X-V3I	NXP i.MX 6SoloX	5A992C	No WIFI/BT
PCOMA9X-V3	NXP i.MX 6SoloX	5A992C	No WIFI/BT
PicoCore			
PCore8MMr2-V3	NXP i.MX8M Mini Quad	5A992C	5A992C
PCore8MMr2-V4	NXP i.MX8M Mini Quad	5A992C	5A992C
PCore8MPr2-V4I	NXP i.MX8M Plus Quad	5A992C	5A992C
PCoreMX6SX-V3	NXP i.MX 6 SoloX	5A992C	No WIFI/BT
PCoreMX6SX-V4	NXP i.MX 6 SoloX	5A992C	No WIFI/BT
PCoreMX6UL-V1	NXP i.MX 6ULL-2	5A992C	No WIFI/BT
PCoreMX6UL-V3	NXP i.MX 6ULL-2	5A992C	No WIFI/BT
PCoreMX6UL-V4	NXP i.MX6ULL	5A992C	5A992C
PCoreMX6UL100-V1I	NXP i.MX6ULL	5A992C	No WIFI/BT
PCoreMX6UL100-V3I	NXP i.MX6ULL	5A992C	No WIFI/BT
PCoreMX6UL100-V4	NXP i.MX6ULL	5A992C	5A992C
PCoreMX7ULP-V4	NXP i.MX 7ULP	5A992C	5A992C
PCoreMX8MMr2-V13	NXP .MX8M Mini Quad	5A992C	5A992C
PCoreMX8MM-V1	NXP i.MX8M Mini Quad	5A992C	No WIFI/BT
PCoreMX8MM-V2	NXP i.MX8M Mini Quad	5A992C	No WIFI/BT
PCoreMX8MM-V3	NXP i.MX8M Mini Quad	5A992C	5A992C
PCoreMX8MM-V4	NXP i.MX8M Mini Quad	5A992C	5A992C
PCoreMX8MM-V5	NXP i.MX8M Mini Quad	5A992C	No WIFI/BT
PCoreMX8MM-V6	NXP i.MX8M Mini Quad	5A992C	No WIFI/BT
PCoreMX8MM-V14I	NXP i.MX8M Mini Quad	5A992C	5A992C
PCoreMX8MMr2-V19	NXP i.MX8M Mini Quad	5A992C	5A992C
PCoreMX8MN-V1	NXP i.MX8M Nano	5A992C	No WIFI/BT
PCoreMX8MN-V5	NXP i.MX8M Nano Quad	5A992C	No WIFI/BT
PCoreMX8MP-V1	NXP i.MX8M Plus Quad	5A992C	No WIFI/BT
PCoreMX8MP-V2	NXP i.MX8M Plus QuadLite	5A992C	No WIFI/BT
PCoreMX8MP-V3I	NXP i.MX8M Plus Quad	5A992C	5A992C
PCoreMX8MP-V3XI	NXP i.MX8M Plus Quad	5A992C	5A992C
PCoreMX8MP-V4I	NXP i.MX8M Plus Quad	5A992C	5A992C
PCoreMX8MP-V4XI	NXP i.MX8M Plus Quad-1	5A992C	5A992C
PCoreMX8MP-V5I	NXP i.MX8M Plus Quad	5A992C	No WIFI/BT
PCoreMX8ULP-V1I	NXP i.MX8ULP Dual	5A992C	5A992C
PCoreMX8ULP-V2I	NXP i.MX8ULP Dual	5A992C	No WIFI/BT

PCoreMX8ULP-V5I	NXP i.MX8ULP Dual	5A992C	No WIFI/BT
PCoreMX91-V3XI	NXP i.MX91 Single	5A992C	No WIFI/BT
PCoreMX91-V4I	NXP i.MX91 Single	5A992C	5A992C
PCoreMX93-V2	NXP i.MX93 Solo	5A992C	No WIFI/BT
PCoreMX93-V3XI	NXP i.MX93 Dual	5A992C	No WIFI/BT
PCoreMX93-V4XI	NXP i.MX93 Dual	5A992C	5A992C
PCoreMX93-V5I	NXP i.MX93 Dual	5A992C	No WIFI/BT
PCoreMX93-V5XI	NXP i.MX93 Dual Corte	5A992C	No WIFI/BT
PicoMOD			
PMOD1.2	NXP Vybrid	3A991A2	No WIFI/BT
PMOD6	Samsung S3C6410	EAR99	No WIFI/BT
PMODA5-V1	NXP Vybrid	3A991A2	No WIFI/BT
PMODA5-V2	NXP Vybrid	5A992C	No WIFI/BT
PMODA9.2-V2	NXP i.MX6 Dual Lite	5A992C	No WIFI/BT
PMODA9-V1	NXP i.MX6 Single Core	5A992C	No WIFI/BT
PMODA9-V2	NXP i.MX6 Dual light Core	5A992C	No WIFI/BT
QBliss			
QBlissA9	NXP i.MX6 Quad	5A992C	No WIFI/BT
QBlissA9r2-V2	NXP i.MX6 Quad	5A992C	No WIFI/BT
QBlissA9-V1	NXP i.MX6 Solo	5A992C	No WIFI/BT
QBlissA9-V4	NXP i.MX6 Quad	5A992C	No WIFI/BT
SMARC			
SMARCMX8MP-V2	NXP i.MX8M Plus Quad Lite	5A992C	No WIFI/BT
SMARCMX8MP-V3	NXP i.MX8M Plus Quad Lite	5A992C	No WIFI/BT
SMARCMX8MP-V4I	NXP i.MX8M Plus Quad	5A992C	5A992C
SolderCore			
SolderCore8ULP-V4	NXP i.MX8ULP Dual	5A992C	No WIFI/BT
OSM			
OSM8MM-V1I	NXP i.MX 8M Mini Quad	5A992C	No WIFI/BT
OSM8MM-V2I	NXP i.MX 8M Mini Quad	5A992C	No WIFI/BT
OSM8ULP-V1I	NXP i.MX8ULP Dual	5A992C	No WIFI/BT
OSM8ULP-V2I	NXP i.MX 8ULP Dual	5A992C	No WIFI/BT
OSM8MP-V2I	NXP i.MX 8M Plus Quad	5A992C	No WIFI/BT
OSM91-V1I	NXP i.MX91	5A992C	No WIFI/BT
OSM93-V1I	NXP i.MX93 Dual	5A992C	No WIFI/BT
OSM93-V2I	NXP i.MX93 Dual	5A992C	No WIFI/BT

Any use of such classifications by the customer is at the user's own risk. It is the legal responsibility of the exporter to ensure full compliance with the Export Administration Regulations (EAR).

Please note that F&S Elektronik Systeme GmbH will not supply any of its products to embargoed countries—whether the end recipient is a foreign state, organization, or individual—under any circumstances.

F&S Elektronik Systeme GmbH
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Sources and further information:

<https://www.bis.doc.gov/index.php/documents/regulations-docs/federal-register-notice/federal-register-2014/951-ccl5-pt2/file>
https://en.wikipedia.org/wiki/Export_Administration_Regulations
https://en.wikipedia.org/wiki/Dual-use_technology
<http://www.zoll.de/EN/Businesses/Movement-of-goods/Transit/Restrictions/Dual-use-items/dual-use-items.html>