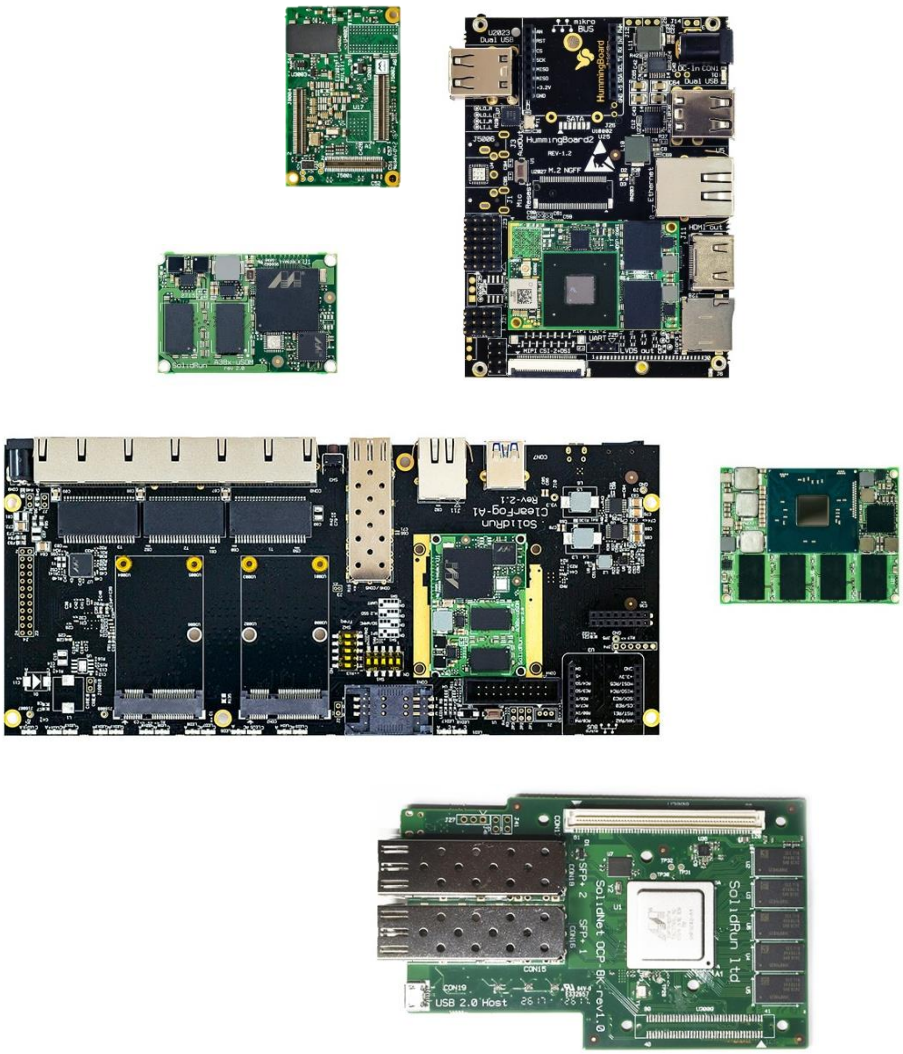
SolidRun

SolidRun SKU Guide

Structure guide to Stock Keeping Unit (SKU) numbers assigned to products



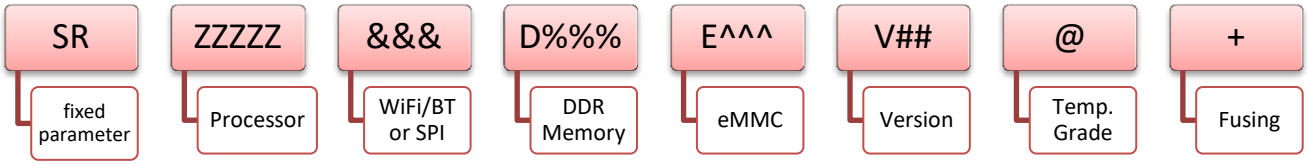
EMBEDDED EDGE COMPUTING

SolidRun Ltd. 7 Hamada st., 1st floor | PO Box 320 | Yokne'am Illit 2069201 | Israel **www.solid-run.com**

SKU Structure Overview

The SKU is a set of 23 characters including both numbers and letters. Each SKU is assigned to a product and describes its set of features (each configuration has a unique SKU). Although the basic SKU structure is similar across all products, there are small differences between SOMs and Carriers, and also between the three families due to different possible features.

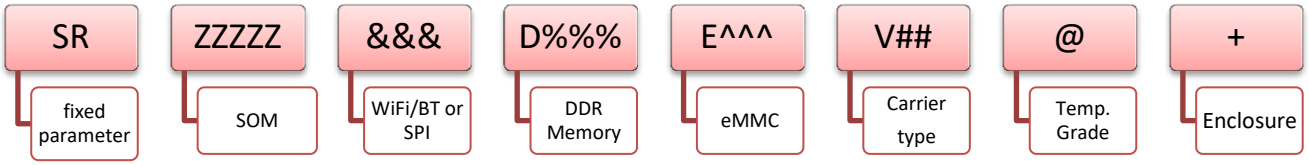
Basic Structure for SOMs



SR	**MX6SO**	**W00**	**D512**	**E000**	**V--**	**C**	**0**
	MX6DU	**WT1**	**D01G**	**E004**		**I**	**F**
	MX8QL	**S64**	**D02G**	**E008**		**A**	
	M6828	**S32**	**D04G**	**E016**			
	I7310		**D16G**	**E032**			

*Above are just a number of examples for reference.
*WiFi/BT applicable only for NXP SOMs, SPI applicable for Intel and Marvell SOMs.
*Temp grade for Intel is only **C**ommercial, and for Marvell only **C**ommercial and **I**ndustrial.
*Fusing is only applicable for NXP SOMs, on Intel and Marvell **0** will always display.

Basic Structure for Carriers, Kits and SBCs



SR	**MX6SO**	**W00**	**D512**	**E000**	**B00**	**C**	**H**
	MX6DU	**WT1**	**D01G**	**E004**	**P00**	**I**	**E**
	MX8QL	**S64**	**D02G**	**E008**	**E00**	**A**	
	M6828	**S32**	**D04G**	**E016**	**G00**		
	I7310		**D16G**	**E032**			

*Above are just a number of examples for reference.
*WiFi/BT applicable only for NXP devices, SPI applicable for Intel and Marvell devices.
*Temp grade for Intel is **C**ommercial only, and for Marvell **C**ommercial and **I**ndustrial only.
*Each carrier configuration includes either a heatsink (**H**) or enclosure (**E**).

System on Module (SOM)

NXP Family

- The first two letters are **[SR]** – indicating SolidRun.
- The next set of 5 letters and numbers indicates the processor name and type. For NXP SOMs this could be **[MX6]** or **[MX8]** followed by two letters for the type, i.e **[QD]** for Quad or **[DL]** for Dual Lite.
- The next set of 3 letters and numbers indicates WiFi/BT with two possibilities: **[WT1]** for included WiFi/BT or **[WT0]** for non-included.
- The next 4 characters indicate DDR memory, starting with the letter **[D]** and followed by memory amount, i.e **[02G]** for 2 GB or **[512]** for 512 MB.
- The next 4 characters indicate eMMC memory, starting with the letter **[E]** and followed by the amount, i.e **[008]** for 8 GB eMMC.
- The next set of 3 characters indicates the version of the SOM, i.e **[V15]** for version 1.5 or **[V10]** for version 1.0.
- The next letter indicates the temperature grade in a single letter – **[C]** for commercial, **[A]** for automated and **[I]** for industrial.
- The final number indicates fusing – **[0]** for non-fused or **[1]** for fused.

Example SKU: **SRMX6QDWT1D02GE008V15A0**

This SOM has an i.MX6 Quad processor, including WiFi/BT, 2GB DDR memory, 8GB eMMC, is version 1.5, automated temp grade and is unfused.

Example SKU: **SRMX6DLW00D01GE008V15C0**

This SOM has an i.MX6 Dual-Lite processor, without WiFi/BT, 1GB DDR memory, 8GB eMMC, is version 1.5, commercial temp grade and is unfused.

Intel Family

- The first two letters are **[SR]** – indicating SolidRun.
- The next set of 5 letters and numbers indicates the processor name and type. For Intel SOMs this could be **[I8000]** or **[I3710]**.
- The next set of 3 letters and numbers indicates SPI: For Intel SOMs this is **[S64]**.
- The next 4 characters indicate DDR memory, starting with the letter **[D]** and followed by memory amount, i.e **[02G]** for 2 GB.
- The next 4 characters indicate eMMC memory, starting with the letter **[E]** and followed by the amount, i.e **[008]** for 8 GB eMMC.
- The next set of 3 characters indicates the version of the SOM, i.e **[V15]** for version 1.5 or **[V10]** for version 1.0.
- The next letter indicates the temperature grade in a single letter – **[C]** for commercial.
- The final number is a placeholder and always **[0]**.

Example SKU: **SRI8000S64D04GE008V13C0**

This SOM has an Intel Braswell E8000 processor, including 64 Mbit SPI, 4GB DDR memory, 8GB eMMC, is version 1.3 and commercial temp grade.

Marvell Family

- The first two letters are **[SR]** – indicating SolidRun.
- The next set of 5 letters and numbers indicates the processor name. For Marvell A388 SOMs this is **[M6828]**.
- The next set of 3 letters and numbers indicates SPI: For A388 SOMs this is **[S32]**.
- The next 4 characters indicate DDR memory, starting with the letter **[D]** and followed by memory amount, i.e **[01G]** for 1 GB.
- The next 4 characters indicate eMMC memory, starting with the letter **[E]** and followed by the amount, i.e **[008]** for 8 GB eMMC.
- The next set of 3 characters indicates the version of the SOM, i.e **[V20]** for version 2.0.
- The next letter indicates the temperature grade in a single letter – **[C]** for commercial and **[I]** for industrial.
- The final number is a placeholder and always **[0]**.

Example SKU: **SRM6828S32D01GE008V20C0**

This SOM has an ARMADA M6828 processor, including 32 Mbit SPI, 1GB DDR memory, 8GB eMMC, is version 2.0 and commercial temp grade.

Embedded Computers, Kits & SBCs

NXP Family

- The first two letters are **[SR]** – indicating SolidRun.
- The next set of 5 letters and numbers indicates the SOM name and type. For NXP SOMs this could be **[MX6]** or **[MX8]** followed by two letters for the type, i.e **[QD]** for Quad or **[DL]** for Dual Lite.
- The next set of 3 letters and numbers indicates WiFi/BT with two possibilities: **[WT1]** for included WiFi/BT or **[WT0]** for non-included.
- The next 4 characters indicate DDR memory, starting with the letter **[D]** and followed by memory amount, i.e **[02G]** for 2 GB or **[512]** for 512 MB.
- The next 4 characters indicate eMMC memory, starting with the letter **[E]** and followed by the amount, i.e **[008]** for 8 GB eMMC.
- The next set of 3 characters indicates the carrier/SBC type: **[B00]** for HummingBoard Base, **[P00]** for HummingBoard Pro, **[G00]** for HummingBoard Gate, or **[E00]** for HummingBoard Edge.
- The next letter indicates the temperature grade in a single letter – **[C]** for commercial, **[A]** for automated and **[I]** for industrial.
- The final letter indicates either **[E]** for including enclosure or **[H]** for heatsink.

Example SKU: **SRMX6SOWT1D512E008E00AH**

This SBC has an i.MX6 Solo SOM, including WiFi/BT, 512MB DDR memory, 8GB eMMC, is a HummingBoard Edge, automated temp grade and includes a heatsink (and not an enclosure).

Intel Family

- The first two letters are **[SR]** – indicating SolidRun.
- The next set of 5 letters and numbers indicates the SOM name and type. For Intel SOMs this could be **[I8000]** or **[I3710]** for Intel Braswell 8000 and 3710.
- The next set of 3 letters and numbers indicates SSD, which could be **[S00]** for no SSD included, or **[S32]** for example indicating 32GB SSD. An indication of pre-installed Windows on the SSD is with the letter W followed by the SSD size, i.e **[W32]** for Windows on 32GB SSD.
- The next 4 characters indicate DDR memory, starting with the letter **[D]** and followed by memory amount, i.e **[02G]** for 2 GB or **[512]** for 512 MB.
- The next 4 characters indicate eMMC memory, starting with the letter **[E]** and followed by the amount, i.e **[008]** for 8 GB eMMC.
- The next set of 3 characters indicates the type of the SBC, for SolidPC this is **[Q00]**.
- The next letter indicates the temperature grade in a single letter – **[C]** for commercial.
- The final letter indicates either **[E]** for including enclosure or **[H]** for heatsink.

Example SKU: **SRI3710S00D04GE008Q00CH**

This SBC has an IB 3710 SOM, including no SSD, 4GB DDR memory, 8GB eMMC, is a SoldPC, commercial temp grade and includes a heatsink (and not an enclosure).

Marvell Family

- The first two letters are **[SR]** – indicating SolidRun.
- The next set of 5 letters and numbers indicates the SOM name and type. For Marvell SOMs this could be **[M8040]** (for the 8040 SoC) or **[M6828]** (for the A388 SOM).
- The next set of 3 letters and numbers indicates SSD, which could be **[S00]** for no SSD included, or **[S32]** for example indicating 32GB SSD.
- The next 4 characters indicate DDR memory, starting with the letter **[D]** and followed by memory amount, i.e **[02G]** for 2 GB or **[512]** for 512 MB.
- The next 4 characters indicate eMMC memory, starting with the letter **[E]** and followed by the amount, i.e **[008]** for 8 GB eMMC.
- The next set of 3 characters indicates the type of the SBC: **[B00]** for ClearFog Base, **[P00]** for ClearFog Pro, **[S00]** for MACCHIATObin Single Shot, **[D00]** for MACCHIATObin Double Shot and **[G00]** for the ClearCloud 8K.
- The next letter indicates the temperature grade in a single letter – **[C]** for commercial and **[I]** for industrial.
- The final letter indicates either **[E]** for including enclosure or **[H]** for heatsink.

Example SKU: **SRM6828S00D01GE000P00CH**

This SBC has an A388 SOM, including no SSD, 1GB DDR memory, no eMMC, is a ClearFog Pro, commercial temp grade and includes a heatsink (not an enclosure).