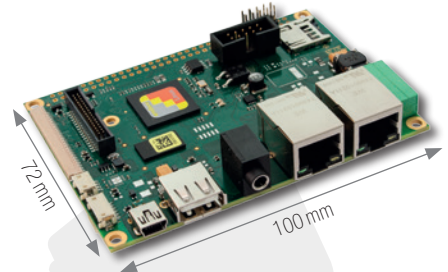


EMBEDDED BOARDS – SBC/COM-BOARDS

F&S Elektronik Systeme GmbH is specialized in Embedded Boards with WindowsCE and Linux (Android). The boards enable to connect simple and cost-optimized displays as well as further peripheral devices via various interfaces. Several form factors (including Q7) are available for CoM-Boards and PicoITX for SBC. The boards are equipped with Freescale Cortex-A5/Cortex-A9 CPUs up to Quad-Core which are available for 10 years. Also F&S has their own assembly production, produced with modern production facilities in Stuttgart, Germany. Furthermore, many years of experience in the Embedded Market result in innovative and up to date customer solutions, completed by an extensive soft- and hardware support.



PARAMETERS

armStoneA5

armStoneA9

armStoneA9r2

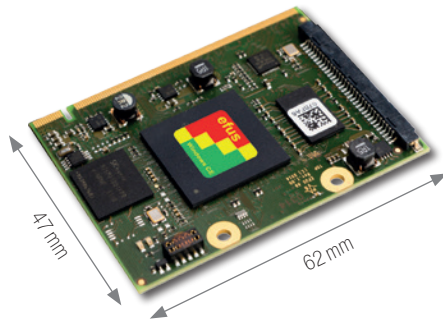


Single Board Computer (SBC) – SPECIFICATIONS

Processing power	++	++++	++++
Windows/Linux	WCE 6.0, WEC 7 / 2013 / Linux Buildroot/MQX	WCE 6.0, WEC 7 / 2013 / Linux Buildroot/Yocto	WEC7 / WEC 2013 / Linux Buildroot/Yocto
CPU	Freescale Vybrid Single-/Dual-Core ARM Cortex-A5 & -M4	Freescale i.MX 6 Solo/Dual/Quad-Core ARM Cortex-A9	Freescale i.MX 6 Single/DualLite/QuadPlus ARM Cortex-A9
Flash (up to)/ RAM (up to)	1 GB + 32 GB (µSD Card)/ 512 MB	1 GB + 32 GB (µSD Card)/ 4 GB	1 GB+32 GB eMMC+32 GB (µSD Card) 4 GB
Ethernet	2x 10/100 Mb	1x 10/100/1000 Mb	1x 10/100/1000 Mb
UART	3x	3x	5x
USB Host/Device/SD-Card	1-2x/1x/1x on-board	4x/1x/1x on-board	3x/1x/1x on-board
SATA/mPCIe		1x/1x	1x/1x
Audio	Line In/Out/Mic	Line In/Out/Mic	Line In/Out/Mic
CAN/I²C/SPI	1-2x/1-2x/1x	1x/1x/1x	2x/1x/2x
Digital I/O	max. 66	max. 66	max. 66
Touch Panel	4-wire analog resistive, PCAP-Touch via I ² C	4-wire analog resistive, PCAP-Touch via I ² C	ext. via I ² C
LVDS/RGB	18 Bit/18 Bit	18 Bit /24 Bit/18 Bit	18 Bit/24 Bit/-
CRT/DVI		0/DVI	0/DVI
Temperature range	0°C ... +70°C [-25°C ... +85°C]	0°C ... +70°C [-25°C ... +85°C]	0°C ... +70°C [-25°C ... +85°C]
Specials			Camera digital, WLAN, Bluetooth
Min. availability	2023	2029	2029

new

EMBEDDED BOARDS – SBC/COM-BOARDS



Short description of efus (Computer on Module-Board)

- » With Freescale i.MX6 CPU
- » Single voltage: 5V
- » RGB, LVDS, DVI
- » Goldfinger connector MXM2, 230 Pins

PARAMETERS

efusA9

efusA9X

efusA7UL



CoM-BOARDS – SPECIFICATIONS

Processing power	++++	+++	+
Windows/Linux	WEC 7/2013/Linux Buildroot/Yocto	WEC 2013/Linux Buildroot/Yocto	WEC 2013/Linux Buildroot/Yocto
CPU	Freescale i.MX 6 Solo/DualLite/Quad-Core ARM Cortex-A9	Freescale i.MX 6 SoloX ARM Cortex-A9 & -M4	Freescale i.MX 6 UltraLite ARM Cortex-A7
Flash (up to)/RAM (up to)	1GB + 32GB eMMC/2GB	1GB + 32GB eMMC/2GB	1GB + 32GB eMMC/1GB
Ethernet	1x 10/100/1000Mb	2x 10/100/1000Mb	2x 10/100Mb
UART	4x	4x	4x
USB Host/Device/SD-Card	1x/1x/2x extern	1x/1x/2x extern	1x/1x/2x extern
SATA/mPCIe	1x/1x	-/1x	
Audio	I ² S	I ² S	I ² S
CAN/I ² C/SPI	2x/2x/2x	2x/2x/2x	2x/2x/2x
Digital I/O	max. 66	max. 66	max. 66
Touch Panel	external via I ² C	external via I ² C	external via I ² C
LVDS/RGB	2x 24bit/18bit	24bit/18bit	-/18bit
CRT/DVI	0/DVI		
Temperature range	0°C ... +70°C [-20°C ... +85°C]	0°C ... +70°C [-20°C ... +85°C]	0°C ... +70°C [-20°C ... +85°C]
Specials	Camera digital	Camera analog/dig., WLAN, Bluetooth	WLAN, Bluetooth
Min. availability	2027	2025	2030

new