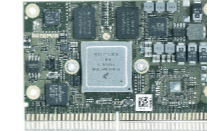
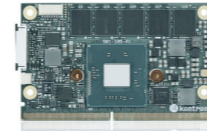
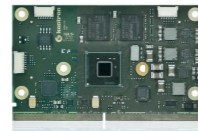


SMARC

Tech Specs At-a-Glance



SMARC	SMARC-sXQU	SMARC-sXBTi	SMARC-sAMX6i	SMARC-sA3874i
COMPILANCE	SMARC - Smart Mobile Architecture by SGET - small size Dimensions	SMARC - Smart Mobile Architecture by SGET - small size	SMARC - Smart Mobile Architecture by SGET - small size	SMARC - Smart Mobile Architecture by SGET - small size
DIMENSIONS (H X W X D)	82mm x 50mm	82mm x 50mm	82mm x 50mm	82mm x 50mm
CPU	Intel® Quark™ X1000, X1010 or X1021	Intel® Atom™ E3845, E3827, E3826, E3825 or E3815	Freescal e i.MX 6, Single, Dual and Quad Core ARM Cortex-A9	Texas Instruments Sitara AM3874 Cortex A8
MAIN MEMORY	Up to 1GB DDR3L memory down (ECC optional with X1021 and X1010)	Up to 8GB DDR3L-1333 memory down (ECC optional)	Up to 2GB DDR3 memory down	
GRAPHICS CONTROLLER	tbd. n/a	Intel® HD Graphics (Gen7)	Dual Displayz HD 1080p Decode/Encode, 2D/3D acceleration	HD 1080p Decode/Encode 2D/3D acceleration
ETHERNET CONTROLLER	tbd. Texas instruments DP83848K	Intel® i210IT	Integrated	Integrated
ETHERNET	2x 10/100 MBit Ethernet (1x via AFB signals)	10/100/1000 MBit Ethernet	10/100/1000 MBit Ethernet	10/100/1000 MBit Ethernet
SATA	tbd. n/a	1x SATA 3Gb/s	1x SATA (dual/quad core)-solo	1x SATA
FLASH ONBOARD	tbd. n/a	2-64GB eMMC	2-64GB eMMC	Up to 32GB NAND FLASH build option
PCI EXPRESS® / PCI SUPPORT	n/a	3x PCIe x1	3x PCIe x1	1x PCI Express® x1 Lanes
PANEL SIGNAL	tbd. n/a	LVDS Single Channel 18/24 bit or eDP HDMI or DP	Parallel LCD 18/24 bit LVDS Single Channel 18/24bit HDMI	Single Channel 18bit,24bit (18bit compatible) LVDS HDMI
USB	1x USB 2.0 Client 2x USB 2.0 Host	3x USB 2.0 1x USB 3.0 (via AFB)	2x USB 2.0, USB OTG	
FEATURES	4x I2C, SPI	4x I2C, SPI	4x I2C, SPI	4x I2C, SPI
SERIAL	1x RX/TX (Ser0) 1x UART (Ser1)	1x RX/TX (Ser0) 2x UART (Ser1/3)	2x RX/TX (Ser1/3) 2x UART (Ser0/2)	2x RX/TX (Ser1/3) 2x UART (Ser0/2)
INTERFACE	tbd. n/a	HD Audio and I2S, 5x I2C, 2x SPI, Camera Interface (2x MIPI CSI)	12x GPIO, SDIO, 5x I ² C, 2x I ² S, 2x SPI, SPDIF, WDT, 2x CAN Camera Interface (PCAM, CSI)	GPIO, 4x I ² C, 4x I ² S, 2x CAN, 2x SPI, Camera input 10bit parallel interface
OPERATING SYSTEM	Yocto, Windriver Linux with IDP Stack	Windows® 8, Windows® 7, WE8S, WES7, WEC7, Linux, VxWorks	Linux, Android, WEC7	Windows CE6, WES7, Linux, Android
POWER SUPPLY	3V - 5.25V Operates directly from single level Lithium Ion cells or fixed 3.3V or 5V power supplies	3V - 5.25V Operates directly from single level Lithium Ion from single level Lithium Ion cells or fixed 3.3V or 5V power supplies	3V - 5.25V Operates directly from single level Lithium Ion from single level Lithium Ion cells or fixed 3.3V or 5V power supplies	3V - 5.25V Operates directly from single level Lithium Ion from single level Lithium Ion cells or fixed 3.3V or 5V power supplies
POWER CONSUMPTION	approx. 2W	tbd	Typ. 5W	Typ. 2W
POWER MANAGEMENT		-	Battery and System Management	-
TEMPERATURE	0°C to +60°C operating, -40°C to +85°C non-operating -40°C to +85°C operating, -40°C to +85°C non-operating (with X1021 only)	Operation: -40° to 85°C	Operation: -40° to 85°C	Operation: -40° to 85°C

Find out more about our offering:
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