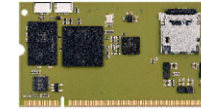
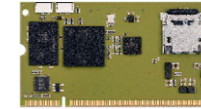


CPU Module Comparison

Myon



Trizeps



Myon I

Myon II

Myon II Nano

Trizeps MX28

Trizeps VII Dual/Quad

Trizeps VII Solo/DualLite

Trizeps VII SX

Trizeps VIII

Trizeps VIII Mini

Trizeps VIII Nano

	Myon I	Myon II	Myon II Nano	Trizeps MX28	Trizeps VII Dual/Quad	Trizeps VII Solo/DualLite	Trizeps VII SX	Trizeps VIII	Trizeps VIII Mini	Trizeps VIII Nano
Processor	Qualcomm Snapdragon 410E Arm Cortex A53	NXP i.MX 8M Mini Arm Cortex A53	NXP i.MX 8M Nano Arm Cortex A53	NXP i.MX 28 Arm Cortex A9	NXP i.MX 6 Dual/Quad Arm Cortex A9	NXP i.MX 6 Solo/DualLite Arm Cortex A9	NXP i.MX 6 SoloX Arm Cortex A9	NXP i.MX 8M Arm Cortex A53	NXP i.MX 8M Mini Arm Cortex A53	NXP i.MX 8M Nano Arm Cortex A53
# Cores	4	1-4	1-4	1	2-4	1-2	1	2-4	1-4	1-4
Core Frequency (comm./industrial)	1.2GHz	1.8Ghz / 1.6GHz	1.5Ghz / 1.4Ghz	454MHz	1.0GHz / 800MHz	1.0GHz / 800MHz	1.0GHz / 800MHz	1.5GHz / 1.3GHz	1.8Ghz / 1.6GHz	1.5Ghz / 1.4Ghz
Companion ARM	-	Arm Cortex M4 @400MHz	Arm Cortex M7 @750MHz	-	-	-	Arm Cortex M4 @200MHz	Arm Cortex M4 @400MHz	Arm Cortex M4 @400MHz	Arm Cortex M7 @750MHz
Additional MCU	-	-	-	-	-	-	-	Arm Cortex M0+ @75MHz	Arm Cortex M0+ @75MHz	Arm Cortex M0+ @75MHz
GPU	Adreno 306 1920x1200 1080p @30fps	GC NanoUltra (3D) GC320 (2D) 1080p @60fps	GC7000UL 1080p @60fps	-	GC2000 (3D) GC320 (2D) 1080p @30fps	GC880 (3D) GC320 (2D) 1080p @30fps	GC400T (3D) GC320 (2D) 1080p @30fps	GC7000Lite 4K @60fps	GC7000Lite 4K @60fps	GC7000UL 1080p @60fps
RAM	1 or 2GB 32bit LPDDR3 -1066	1-8GB 32bit LPDDR4-3200	512MB - 4GB 16bit LPDDR4-3200	128 or 256MB 16bit DDR2	256MB - 2GB 64 bit DDR3L-1066	256MB - 2GB 16 or 32 bit DDR3L-1066	256MB - 2GB 32 bit DDR3L-800	1-8GB 32bit LPDDR4-3200	1-8GB 32bit LPDDR4-3200	512MB - 4GB 16bit LPDDR4-3200
Storage	8 or 16GB EMMC	EMMC	EMMC	uSD or NAND	uSD or EMMC	uSD or EMMC	uSD or EMMC	uSD or EMMC	uSD or EMMC	uSD or EMMC
Wireless	802.11 b/g/n Bluetooth 4.1	-	-	-	802.11 a/b/g/n/e/i/h/d/k/r/w	802.11 a/b/g/n/e/i/h/d/k/r/w	802.11 a/b/g/n/e/i/h/d/k/r/w	802.11 a/b/g/n/ac 2x2 MU-MIMO	802.11 a/b/g/n/ac 2x2 MU-MIMO	802.11 a/b/g/n/ac 2x2 MU-MIMO
On-board Extras	PMIC with AudioCodec, LVDS transceiver, Battery-Charger	PMIC, Audio Codec, LVDS transceiver	PMIC, Audio Codec, LVDS transceiver	Audio Codec, 2x Ethernet-Phy	PMIC, Audio Codec, Ethernet-Phy or RGMII (can not be used at the same time)	PMIC, Audio Codec, Ethernet-Phy or RGMII (can not be used at the same time)	PMIC, Audio Codec, Ethernet-Phy and RGMII (can be used at the same time)	PMIC, Audio Codec, Ethernet-Phy, LVDS transceiver, Arm Cortex M0+ Kinetis MCU, FPGA (up to 4300 LUTs)	PMIC, Audio Codec, Ethernet-Phy, LVDS transceiver, Arm Cortex M0+ Kinetis MCU, FPGA (up to 4300 LUTs)	PMIC, Audio Codec, Ethernet-Phy, LVDS transceiver, Arm Cortex M0+ Kinetis MCU, FPGA (up to 4300 LUTs)
Temperature (industrial)	-25..85°C	-40..85°C	-40..85°C	-40..85°C	-40..85°C	-40..85°C	-40..85°C	-40..85°C	-40..85°C	-40..85°C
Ethernet	100Mbit/1Gbit RGMII/RMII/SIOP	-/- 1) -/-	-/- -/-/-	•(•)/- -/•/-	•/(•) (•)/-/-	•/(•) (•)/-/-	•/(•) •/-/-	-/• -/-/(•)	-/• -/-/(•)	-/• -/-/(•)
Audio	Headphone/LineIn Speaker/Microphone SPDIF/SAI,I2S	•/- •/•• •/••	•/• •/•• •/••	•/• •/• •/•	•/• •/• •/•	•/• •/• •/•	•/• •/• •/•	•/• •/• •/•••	•/• •/• •/•••	•/• •/• •/••
ADC	-	-	-	••••	••••	••••	••••	••••••••	••••••••	••••••••
Resistive Touch	-	-	-	•	•	•	•	(•)	(•)	(•)
Display & Camera	RGB 16/18/24 HDMI LVDS MIPI DSI 2ch/4ch MIPI CSI 2ch/4ch Parallel Camera CIF	- • • •	- • • •	• - - -	• • • •	• • • •	• • • •	• • (•) •	• • (•) •	• • (•) •
USB 2.0/3.0	•/-	••/ -	•/-	••/ -	••/ -	••/ -	••/ -	-/••	••/ -	•/-
PCIe	-	•	-	-	•	•	•	•	•	-
Address,Databus	-	-	-	•	•	•	•	-	-	-
UART	••	••••	••••	••••	•••	•••	•••	••••	••••	••••
CAN	-	-	-	••	••	••	••	(•)	(•)	(•)
I2C	••••	•••(•)	•••(•)	•	••	••	••	••	••	••
SDIO	•	••	••	•	•(•)	•(•)	•(•)	•	•	•
SPI/QSPI	•••••	••/••	••/••	••	•/-	•/-	•/-	•/•	•/•	•/•

Technical modifications reserved, errors excepted

1) Ethernet possible via USB