

# GLYN-CoM-Selection-Guide 2018 V1.5b



	TX6UL			TX6S		TX6DL		TX6Q		TX6Q PLUS	TX8X Available Q3 2018		
Order number	TXUL-5010	TXUL-5011	TXUL-8013	TX6S-8034 TX6S-8134	TX6S-8035 TX6S-8135	TX6U-8030 TX6U-8130	TX6U-8033 TX6U-8133	TX6Q-1030 TX6Q-1130	TX6Q-1036	TX6Q-8037 TX6Q-8137	TX8XD	TX8XDP	TX8XQP
CPU	i.MX6G2	i.MX6G2	i.MX6Y2	i.MX6S7	i.MX6S7	i.MX6U7	i.MX6U7	i.MX6Q5	i.MX6Q5	i.MX6QP7	i.MX8DualX	i.MX8DualXPlus	i.MX8QuadXPlus
Maximum clock	528 MHz	528 MHz	792 MHz	800 MHz	800 MHz	2x800 MHz	2x800 MHz	4x1 GHz	4x1 GHz	4x800 MHz	2 x n GHz	2 x n GHz	4 x n GHz
Core	Cortex-A7™ (32bit)			Cortex-A9™ (32bit)		Quad Cortex-A9™ (32bit)				Cortex-A35™ (64bit)			
Main memory	256MB	256MB	512MB	256MB	512MB	1GB	1GB	1GB	1GB	2GB	512MB	1GB	2GB
Type	DDR3									DDR3L			
Main memory bus width	16 bit	16 bit	16 bit	16 bit	32 bit	64 bit	64 bit	64 bit	64 bit	64 bit	32 bit	64 bit	64 bit
NAND flash	128MB	4GB eMMC	4GB eMMC	128MB	4GB eMMC	128MB	4GB eMMC	128MB	8GB eMMC	4GB eMMC HIREL	4GB eMMC	4GB eMMC	4GB eMMC
Real Time Clock (RTC)	i.MX6UltraLite	i.MX6UltraLite	i.MX6UltraLite	i.MX6	i.MX6	DS1339	i.MX6	DS1339	i.MX6	i.MX6	i.MX8X	i.MX8X	i.MX8X
Size mm x mm	68 x 26	68 x 26	68 x 26	68 x 31	68 x 31	68 x 31	68 x 31	68 x 31	68 x 31	68 x 31	68 x 31	68 x 31	68 x 31
I/O voltage	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V
Temperature range	-40..85°C	-25..85°C	-25..85°C	-40..85°C	-25..85°C	-40..85°C	-25..85°C	-20..70°C	-20..70°C	-40..85°C	-25..85°C	-25..85°C	-25..85°C
Power consumption @ 3.3V Linux	460mW	460mW	340mW	530mW	530mW	760mW	760mW	760mW	800mW	800mW	tbd	tbd	tbd
Processor grade	industrial	industrial	industrial	industrial	industrial	industrial	industrial	consumer	consumer	industrial	industrial	industrial	industrial
<b>Accelerated Multimedia</b>													
max. LCD resolution	WXGA (1366x768)			UXGA (1600x1200)		WUXGA (1920x1200)		4XGA (2048x1536)			tbd	tbd	tbd
Hardware Video VPU	no			1080p30 dec 1080p30 H.264 BP/ Dual 720p enc				1080p 60 h.264 dec 1080p30 H.264 BP/ Dual 720p encode		1080p + 720p 30fps dec 1080p 30fps enc	1080p h.264 enc/dec	4K h.265 dec, 1080p h.264 enc/dec	
Hardware Graphics GPU	no			Vivante GC880 u. GC320				Vivante GC2000 u. GC355			GC7000UltraLite	Vivante GC7000Lite	
CMOS sensor interface	parallel camera port			parallel camera port				parallel camera port			parallel camera port / MIPI-CSI2		
<b>TX Features</b>													
10/100 Ethernet / Gigabit Eth	2 / -	2 / -	2 / -	1 / -	1 / -	1 / -	1 / -	1 / -	1 / -	1 / -	1 / 1	1 / 1	1 / 1
USB 2.0 / USB 3.0 ports	2 / -	2 / -	2 / -	2 / -	2 / -	2 / -	2 / -	2 / -	2 / -	2 / -	2 / -	2 / 1	2 / 1
CAN	2	2	2	2	2	2	2	2	2	2	2	2	2
UARTs	8	8	8	5	5	5	5	5	5	5	4	4	4
I2C / SPI	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
SD interface	2	2	2	2	2	2	2	2	2	2	2	2	2
Serial audio ports	1	1	1	2	2	2	2	2	2	2	2	2	2
PWM	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
External memory interface	no	no	no	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	tbd	tbd	tbd
Display interface	TTL	TTL	TTL	TTL/LVDS	TTL/LVDS	TTL/LVDS	TTL/LVDS	TTL/LVDS	TTL	TTL/LVDS	LVDS/MIPI	LVDS/MIPI	LVDS/MIPI
Additional features	PXP—Pixel Processing Pipeline for image resize, rotation, overlay and CSC.			PCIe	PCIe	PCIe	PCIe	PCIe, SATA2	PCIe, SATA2	PCIe, SATA2	Cortex M4F CPU, PCIe, Tensilica® HiFi 4 DSP		
Supported OS	Linux / Win	Linux / Win	Linux / Win	Linux / Win	Linux / Win	Linux / Win	Linux / Win	Linux / Win	Linux / Win	Linux / Win	Linux	Linux	Linux
Available Till	01.07.2031	01.07.2031	2028	01.05.2025	01.05.2025	01.05.2025	01.05.2025	01.05.2025	01.05.2025	01.05.2025	tbd	tbd	tbd