

	TX28S	TX28		TX48	TX6S		TX6DL			TX6Q		
Order number	TX28-4130	TX28-4031	TX28-4032	TX48-7020	TX6S-8034	TX6S-8035	TX6U-8030	TX6U-8110	TX6U-8033	TX6Q-1030	TX6Q-1110	TX6Q-1020
CPU	i.MX287	i.MX287	i.MX287	AM3354	i.MX6S7	i.MX6S7	i.MX6U7	i.MX6U7	i.MX6U7	i.MX6Q5	i.MX6Q5	i.MX6Q5
Maximum clock	454MHz	454MHz	454MHz	720MHz	800MHz	800MHz	2x800MHz	2x800MHz	2x800MHz	4x1GHz	4x1GHz	4x1GHz
Core	ARM926EJ-S			Cortex-A8™	Cortex-A9™		Dual Cortex-A9™			Quad Cortex-A9™		
Main memory	64MB	128MB	256MB	256MB	256MB	512MB	1GB	1GB	1GB	1GB	1GB	1GB
Type	DDR2			DDR3								
Main memory bus width	16 bit	16 bit	16 bit	16 bit	32 bit	32 bit	64 bit	64 bit	64 bit	64 bit	64 bit	64 bit
NAND flash	128MB	128MB	128MB	128MB	128MB	4GB eMMC	128MB	128MB	4GB eMMC	128MB	128MB	8GB eMMC
Power supply / PMIC	integrated	integrated	integrated	LTC3589			RN5T567	LTC3676	LTC3676	RN5T567	LTC3676	LTC3676
Real Time Clock (RTC)	no	DS1339	DS1339	DS1339	i.MX6	i.MX6	DS1339	i.MX6	DS1339	DS1339	DS1339	DS1339
Touch screen controller	yes	yes	yes	yes	no	no	no	no	no	no	no	no
Size	68mm x 26mm	68mm x 26mm	68mm x 26mm	68mm x 26mm	68mm x 31mm	68mm x 31mm	68mm x 31mm	68mm x 31mm	68mm x 31mm	68mm x 31mm	68mm x 31mm	68mm x 31mm
Form factor	200 PIN SO-DIMM											
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
Temperature range	0..70°C	-40..85°C	-40..85°C	-40..85°C	-40..85°C	-25..85°C	-40..85°C	-40..85°C	-25..85°C	-20..70°C	-20..70°C	-20..70°C
Power consumption (bootloader prompt)	1W	0,8W	tbd	1W	tbd	tbd	2,5W	2,5W	tbd	2,5W	2,5W	TBD
Processor grade	consumer	industrial	industrial	industrial	industrial	industrial	industrial	industrial	industrial	industrial	consumer	consumer
<b>Accelerated Multimedia</b>												
max. recommended LCD resolution	WVGA (800x480)			WXGA (1366x768)			WUXGA (1920x1200)			4XGA (2048x1536)		
Hardware video acceleration	no	no	no	no	yes	yes	yes	yes	yes	yes	yes	yes
Hardware 2-D/3-D Graphics acceleration	no	no	no	yes	yes	yes	yes	yes	yes	yes	yes	yes
CMOS sensor interface	no	no	no	no			2	2	2	2	2	2
<b>TX Features</b>												
10/100 Ethernet	1	2	2	2	1	1	1	1	1	1	1	1
IEEE 1588 support	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
USB 2.0 ports	2	2	2	2	2	2	2	2	2	2	2	2
CAN	no	2	2	2	2	2	2	2	2	2	2	2
UARTs	6	6	6	6	5	5	5	5	5	5	5	5
I2C / SPI	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
SD interface	1	1	1	1	2	2	2	2	2	2	2	2
Keypad interface	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Serial audio ports	1	2	2	1	2	2	2	2	2	2	2	2
PWM	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
External memory interface	no	no	no	no	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit
Display interface	TTL	TTL	TTL	TTL	TTL	TTL	TTL	LVDS	TTL	TTL	LVDS	TTL
Additional features					PCIe	PCIe	PCIe	PCIe	PCIe	PCIe	PCIe / SATA	PCIe
Supportet operating systems	Linux/Win CE 6	Linux / Win CE6 / Win EC7	Linux / Win CE6 / Win EC7	Linux / Win EC7*	Linux / Win EC7*	Linux / Win EC7*	Linux / Win EC7*	Linux / Win EC7*	Linux / Win EC7*	Linux / Win EC7*	Linux / Win EC7*	Linux / Win EC7*

\* Android on Request  
tbd= to be defined

## CoM starter kit with PolyTouch™: Simplifies your start!



The GLYN-GUI KIT allows you to rapidly combine graphic interfaces with Multi-Touch. GLYN and kernel concepts know how to combine "embedded" and "Linux":

*TFT*

*+ Multi-Touch*

*+ KaRo starter kit*

*+ Linux-Toolchain*

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*by Glyn and Kernel Concept*

This unique combination of hardware and software tools is ideal for anyone who is interested in embedded Linux.

The starter kit comes with a 5.7" EDT TFT including PolyTouch™ and a high-performance Karo TX module!

**This is your easy access to the world of embedded Linux – our µCross Cross-SDK**

The µCross Cross-SDK offers a complete tool chain and extends it by adding functions for the entire application development, including a graphic interface. Well-known development tools such as Eclipse, QT-Creator etc. can be used together with the µCross-SDK.



*Starter kit ordering number:  
GLYN-GUI-KIT-TX Family (without module)*