

Maxim GMSL & GMSL2 Serdes Selection Guide V0.1

P/N	Ser/Des	Applicatio	Coax	Resolution	Support Format	Bit wid	Interface	HDCP	GMSL Freq.	Link Typ	Remark
MAX9240A	Des	Camera	Y	2M pixes 30fps	YUV,RAW,RGB	25	Parallel	-	1.5Gbps	GMSL	
MAX9271	Ser	Camera	Y	2M pixes 30fps	YUV,RAW	16	Parallel	-	1.5Gbps	GMSL	
MAX9272A	Des	Camera	Y	2M pixes 30fps	YUV,RAW,RGB	28	Parallel	-	1.5Gbps	GMSL	
MAX9273	Ser	Camera	Y	2M pixes 30fps	YUV,RAW	22	Parallel	-	1.5Gbps	GMSL	
MAX9286	Des	Camera	Y	1.3M pixes 60fps; 2M 30fps	YUV,RAW,RGB	30	MIPI_CSI	-	1.5Gbps	GMSL	Quad Input
MAX96705	Ser	Camera	Y	1.3M pixes 60fps; 2M 30fps	YUV,RAW	16	Parallel	-	1.74Gbps	GMSL	1.7-3.6V interface
MAX96706	Des	Camera	Y	1.3M pixes 60fps; 2M 30fps	YUV,RAW,RGB	14	Parallel	-	1.74Gbps	GMSL	
MAX96707	Ser	Camera	Y	1.3M pixes 60fps; 2M 30fps	YUV,RAW	14	Parallel	-	1.74Gbps	GMSL	1.8V interface only
MAX96708	Des	Camera	Y	2M pixes 30fps	YUV,RAW,RGB	14	Parallel	-	1.74Gbps	GMSL	
MAX96709	Ser	Camera	Y	2M pixes 30fps	YUV,RAW	14	Parallel	-	1.74Gbps	GMSL	1.8V interface, no timing gen
MAX96711	Ser	Camera	Y	1.3M pixes 60fps; 2M 30fps	YUV,RAW	14	Parallel	-	1.74Gbps	GMSL	1.7-3.6V interface
MAX9249	Ser	Display	N	1280x800 / 60Hz 24-bit	YUV,RAW,RGB		LVDS	N	2.5Gbps	GMSL	
MAX9259	Ser	Display	N	1280x800 / 60Hz 24-bit	YUV,RAW,RGB		Parallel	N	2.5Gbps	GMSL	
MAX9260	Des	Display	N	1280x800 / 60Hz 24-bit	YUV,RAW,RGB		Parallel	N	2.5Gbps	GMSL	
MAX9263	Ser	Display	N	1280x800 / 60Hz 24-bit	YUV,RAW,RGB		Parallel	Y	2.5Gbps	GMSL	
MAX9264	Des	Display	N	1280x800 / 60Hz 24-bit	YUV,RAW,RGB		Parallel	Y	2.5Gbps	GMSL	
MAX9265	Ser	Display	N	1280x800 / 60Hz 24-bit	YUV,RAW,RGB		LVDS	Y	2.5Gbps	GMSL	
MAX9266	Des	Display	N	1280x800 / 60Hz 24-bit	YUV,RAW,RGB		LVDS	Y	2.5Gbps	GMSL	
MAX9268	Des	Display	N	1280x800 / 60Hz 24-bit	YUV,RAW,RGB		LVDS	N	2.5Gbps	GMSL	
MAX9270	Des	Display	N	1280x800 / 60Hz 24-bit	YUV,RAW,RGB		Parallel	N	2.5Gbps	GMSL	Line Fault Detection
MAX9275	Ser	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		Parallel	N	3.12Gbps	GMSL	
MAX9276	Des	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		Parallel	N	3.12Gbps	GMSL	
MAX9276A	Des	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		Parallel	N	3.12Gbps	GMSL	
MAX9277	Ser	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		LVDS	N	3.12Gbps	GMSL	
MAX9278	Des	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		LVDS	N	3.12Gbps	GMSL	
MAX9278A	Des	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		LVDS	N	3.12Gbps	GMSL	Software Update
MAX9279	Ser	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		Parallel	Y	3.12Gbps	GMSL	
MAX9280	Des	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		Parallel	Y	3.12Gbps	GMSL	
MAX9280A	Des	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		Parallel	Y	3.12Gbps	GMSL	Software Update
MAX9281	Ser	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		LVDS	Y	3.12Gbps	GMSL	
MAX9282	Des	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		LVDS	Y	3.12Gbps	GMSL	
MAX9282A	Des	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		LVDS	Y	3.12Gbps	GMSL	Software Update
MAX9288	Des	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		MIPI_CSI	N	3.12Gbps	GMSL	
MAX9290	Des	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		MIPI_CSI	Y	3.12Gbps	GMSL	
MAX9291	Ser	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		HDMI	N	3.12Gbps	GMSL	
MAX9293	Ser	Display	Y	1920x720p / 60Hz 24-bit	YUV,RAW,RGB		HDMI	Y	3.12Gbps	GMSL	
MAX9283	Ser	Display	Y	1920x1080p/60Hz 24-bit	YUV,RAW,RGB		MIPI_DSI	N	4.5Gbps	GMSL2	
MAX9285	Ser	Display	Y	1920x1080p/60Hz 24-bit	YUV,RAW,RGB		MIPI_DSI	Y	4.5Gbps	GMSL2	
MAX96751	Ser	Display	Y	2880x1620/60Hz 24-bit	YUV,RAW,RGB		HDMI	N	6Gbps *2	GMSL2	
MAX96753	Ser	Display	Y	2880x1620/60Hz 24-bit	YUV,RAW,RGB		HDMI	Y	6Gbps *2	GMSL2	
MAX96755	Ser	Display	Y	2880x1620/60Hz 24-bit	YUV,RAW,RGB		MIPI_DSI	N	6Gbps *2	GMSL2	
MAX96757	Ser	Display	Y	2880x1620/60Hz 24-bit	YUV,RAW,RGB		MIPI_DSI	Y	6Gbps *2	GMSL2	
MAX96752	Des	Display	Y	2880x1620/60Hz 24-bit	YUV,RAW,RGB		LVDS	N	6Gbps *2	GMSL2	
MAX96754	Des	Display	Y	2880x1620/60Hz 24-bit	YUV,RAW,RGB		LVDS	Y	6Gbps *2	GMSL2	
MAX96756	Des	Display	Y	2880x1620/60Hz 24-bit	YUV,RAW,RGB		MIPI_CSI	N	6Gbps *2	GMSL2	
MAX96758	Des	Display	Y	2880x1620/60Hz 24-bit	YUV,RAW,RGB		MIPI_CSI	Y	6Gbps *2	GMSL2	
MAX9295	Ser	Camera	Y	4M pixes 30fps; 2M 60fps	YUV,RAW,RGB		MIPI_CSI+Parallel	-	6Gbps	GMSL2	
MAX96712	Des	Camera	Y	4M pixes 30fps; 2M 60fps	YUV,RAW,RGB		MIPI_CSI	-	6Gbps	GMSL2	Quad Input
MAX9296	Des	Camera	Y	4M pixes 30fps; 2M 60fps	YUV,RAW,RGB		MIPI_CSI	-	6Gbps	GMSL2	