

联阳半导体股份有限公司(ITE Tech. Inc.,以下简称联阳)成立于1996年，总公司设在新竹科学工业园区，是一家专业的Fabless IC设计公司。

### Video Link product HDMI Switch/Splitter

Part No.	HDMI Version	Package	Type	Link Count	Maximum Signal Rate	Maximum Resolution	Feature
CAT6351	1.3a	QFN40	Retiming Buffer	1 to 1	2.25Gbps	1080P/12bit	Front/Side Panel
CAT6352	1.3a	LQFP64	Retiming Switch	2 to 1	2.25Gbps	1080P/12bit	CEC/EDID RAM Front/Side Panel
CAT6353	1.3a	TQFP80	Active Switch	3 to 1	2.25Gbps	1080P/12bit	CEC
CAT6353X	1.3a	LQFP100	Retiming Switch	3 to 1	2.25Gbps	1080P/12bit	CEC/EDID RAM
CAT6354	1.3a	LQFP100	Retiming Switch	4 to 1	2.25Gbps	1080P/12bit	CEC/EDID RAM
IT6633	1.3a	LQFP64	Switch	3 to 1	2.25Gbps	1080P/12bit	CEC/EDID RAM
IT66332	1.4	LQFP64	HDMI/MHL Switch	3 to 1	3Gbps	1080P/12bit	3D,4K2K,P2P IT6633
IT6634	1.4	LQFP128	Fast Switch	4 to 1	3Gbps	1080P/12bit	3D,4K2K,ARC,CEC, EDID RAM
IT6661	HDMI1.4/ MHL2.0	LQFP88		1 to 2	3Gbps	4Kx2K	4Kx2K, 1080P@120Hz, 1080P/3D@60Hz

### HDMI Transmitter/Receiver

Part No.	HDMI Version	Package	Type	Link Count	Maximum Signal Rate	Maximum Resolution	Feature
IT6610	1.2	QFN64	Small size Transmitter	1	1.65Gbps	1080P/8bit	2Ch Audio, low power at 261mW typical, small size 9x9mm
CAT6611	1.2	LQFP80	Transmitter	1	1.65Gbps	1080P/8bit	8Ch Audio
CAT6612	1.2	LQFP80	Transmitter	1	1.65Gbps	1080P/8bit	2Ch Audio
IT66121	1.3a	QFN64/ VFBGA81	Transmitter	1	1.65Gbps	1080P/8bit HDMI 1.4 3D	8Ch & HBR Audio, CEC PHY, ultra low power 70mW, BGA 5x5mm
CAT6613	1.3	LQFP100	Transmitter	1	2.25Gbps	1080P/12bit	HBR Audio Pin2Pin Sil9134
IT6613	1.3	LQFP100	Transmitter	1	2.25Gbps	1080P/12bit HDMI 1.4 3D	8Ch & HBR Audio Pin2Pin Sil9134/CAT6613
CAT6011	1.2	LQFP128	Receiver	1	1.65Gbps	1080P/8bit	8Ch Audio
CAT6023	1.3	LQFP144	Receiver	2	2.25Gbps	1080P/12bit	8Ch & HBR Audio Pin2Pin Sil9135
IT6603	1.3	LQFP128	Receiver	1	2.25Gbps	1080P/12bit	8Ch & HBR Audio
IT6604	1.4a	LQFP128	Receiver	1	2.25Gbps	1080P/12bit HDMI 1.4 3D	8Ch & HBR Audio
IT6605	1.4a	LQFP144	Receiver	2	2.25Gbps	1080P/12bit HDMI 1.4 3D	8Ch & HBR Audio Pin2Pin Sil9135/CAT6023
IT6623	1.4a	LQFP128	TX+RX	2	2.25Gbps	1080P/12bit HDMI 1.4 3D	8Ch & HBR Audio HDMI soundbar application
IT6601	1.4	SSOP28	HEAC TX+RX	--	--	--	ARC, CEC

### DisplayPort Transmitter/Receiver

Part No.	DP Version	Package	Type	Link Count	Link Speed	Color Depth	Feature
IT6505	1.1a	LQFP144	Transmitter	4	HBR 2.7Gbps/ RBR 1.62Gbps	Up to 36bit	8Ch & HBR Audio Compliant with HDCP 1.3
IT6504	1.1a	LQFP128	Receiver	2	HBR 2.7Gbps/ RBR 1.62Gbps	Up to 30bit	8Ch & HBR Audio Compliant with HDCP 1.3
IT6506	1.1a	LQFP144	Receiver	4	HBR 2.7Gbps/ RBR 1.62Gbps	Up to 36bit	8Ch & HBR Audio Compliant with HDCP 1.3

### Combo Receiver

Part No.	Package	Type	Input 1	Input 2	Input 3	Output
IT6535	TQFP176	HDMI+DP Receiver	DP 1.1a, 4 lane 2.7Gbps/1.62Gbps/36bit,	HDMI 1.4a 3D 1080p/12bit	8Ch Audio	36bit TTL Video
IT6536	BGA196	HDMI+DP Receiver + Triple ADC	DP 1.1a, 4 lane 2.7Gbps/1.62Gbps/36bit	HDMI 1.4a 3D 1080p/12bit	2:1 Triple ADC 170MSPS/10bit 8Ch Audio	36bit TTL Video
IT6801	QFN76	MHL2.0/HDMI1.4	MHL2.0/HDMI1.4	-	-	36bit TTL Video

### Video/Audio Converters

Part No.	Package	Type	Input	Output	Feature
IT6251	QFN64	LVDS2DP	Single/Dual link LVDS 165Mhz/10bit	DP 1.1a, 4 lane 2.7Gbps/1.62Gbps/36bit	De-SSC
IT6261	QFN64	LVDS2HDMI	Single link LVDS 150Mhz/10bit	HDMI 1.3 2.25Gbps/12bit	8ch/HBR Audio De-SSC
IT6262	LQFP100	LVDS2HDMI+LVDS	Single link LVDS 150Mhz/10bit	HDMI 1.4 3D 2.25Gbps/12bit/ Single link LVDS 150Mhz/10bit	8ch/HBR Audio De-SSC
IT6263	QFN64	LVDS2HDMI	Single/Dual link LVDS 150Mhz/10bit	HDMI 1.4 3D 2.25Gbps/12bit	8ch/HBR Audio De-SSC
IT6511	QFN56	DP2VGA	DP 1.1a, 2 lane 2.7Gbps/1.62Gbps/36bit	VGA, Triple DAC 200MSPS/10bit	
IT6512	QFN64	DP2VGA	DP 1.1a, 2 lane 2.7Gbps/1.62Gbps/36bit	VGA, Triple DAC 200MSPS/10bit	embedded MCU
IT66921	QFN64	HDMI2VGA	HDMI 1.3a 1080P/12bit 2.25Gbps	VGA, Triple DAC 200MSPS/10bit	2ch Audio, embedded MCU

### MIPI input

Part No.	Package	Type	Input	Output	Feature
IT6121	QFN40	MIPI2LVDS	MIPI	LVDS	MIPI D-PHY 1.1, DSI 1.1
IT6151	QFN48-	MIPI2eDP	MIPI	eDP 1.3	MIPI D-PHY 1.1, DSI 1.1

## MHL

Part No.	Package	Type	Feature
IT6681	VFBGA49	HDMI2MHL	For mobile phone application, MHL/USB switch inside, low power
IT6801	QFN76	MHL/HDMI receiver	1 MHL/HDMI receiver, auto detection
IT6802	LQFP128	MHL/HDMI receiver	1 MHL/HDMI + 1HDMI receiver, auto detection
IT6811	VFBGA-64	MHL transmitter	For mobile phone application, MHL/USB switch inside, super low power
IT6861	LQFP48	MHL/HDMI2HDMI	For TV/Accessory application, Dual mode input, low power

## LVDS Transmitter

Part No.	Package	Type	Input 1	Output	Feature
IT6211	TSSOP56	LVDS transmitter	10~150MHz clock rates	4 LVDS data streams	Up to 4.2Gbps bandwidth Support reduced swing LVDS for low EMI 200mV/350mV swing LVDS selectable 1.8V to 3.3V low voltage TTL tolerant

## High Speed ADC/DAC

Part No.	Package	Resolution	Type	Input	Output	Throughput Rate
CAT9883C	LQFP80	8bits	Triple Video ADC	Analog RGB/YUV	Digital RGB/YUV	150Msps
CAT9884	LQFP80	10bits	2:1 Triple Video ADC	Analog RGB/YUV	Digital RGB/YUV	170Msps
CAT6902	LQFP64	10bits	Triple DAC	Digital RGB	Analog RGB/VGA	330Msps

## 电容感应按键控制IC

ITE的电容感应按键IC，内部集成了CDC（single electrode capacitance-to-digital converter），在电脑，手机，电视，音响，家电，监控，LED灯等各行各业有广泛应用。可以实现按键，滚动条，滚轮等触摸按键功能。

### Features:

- 1.Up to 13 input keys;
- 2.Up to 13 GPIOs or 15 LEDs output with HW dimming control;
- 3.Support 1 interrupt output;
- 4.16-BIT ADC resolution;
- 5.Automatic calibration;
- 6.I2C, IR control interface;
- 7.Low power, IT7230 sleep mode 30uA, idle mode 120uA, active mode 550uA;
- 8.Good immunity to noise by active shield technology;
- 9.Implement button, scroll bar and wheel function.

Part No.	Package	Inputs	GPIOs/LEDs	Specialty
IT7230AFN	QFN-40	13	13/15	Support 2 touch detect and 1 interrupt output
IT7230BFN	QFN-24	7	6/7	Support 1 touch detect and 1 interrupt output
IT7233	SOP-16	8	1/1	Button function only, simplify for simple touch application case, e-flash
IT7235AFN	QFN-40	13	13/15	Support 2 touch detect and 1 interrupt output MCU inside (Max. 24MHz), 2KB shared SRAM, 8KB OTP ROM
IT7235BFN	QFN-24	7	6/7	Support 1 touch detect and 1 interrupt output, MCU inside (Max. 24MHz), 2KB shared SRAM, 8KB OTP ROM
IT7236	-	-	-	More features than IT7235, water proof and e-flash