

CPU
Freescale iMX6
ARM Cortex-A9
1000MHz

Memory
DDR3
512MBytes

2 x USB
Mini PCIe
HDMI
Ethernet RX/TX
SD/MMC
LCD
2 x LVDS
CSI
i2S
3 x UART
2 x SPI
2 x I2C
2 x CAN
PWM
SPDIF
EMI

NAND Flash
memory
2 GBytes

Ethernet PHY
100/10M

Micro SD

Power system

Optional!
USB WiFi
dongle
+
USB power
management

X9			
GND	1	2	LCD_DTCK
LCD_B0	3	4	LCD_B1
LCD_B2	5	6	LCD_B3
LCD_B4	7	8	LCD_B5
LCD_B6	9	10	LCD_B7
LCD_G0	11	12	LCD_G1
LCD_G2	13	14	LCD_G3
LCD_G4	15	16	LCD_G5
LCD_G6	17	18	LCD_G7
LCD_R0	19	20	LCD_R1
LCD_R2	21	22	LCD_R3
LCD_R4	23	24	LCD_R5
LCD_R6	25	26	LCD_R7
LCD_DE	27	28	LCD_VS
SPI0_NCS	29	30	LCD_HS
SPI0_MISO	31	32	SPI0_CLK
GPIO7_6	33	34	SPI0_MOSI
CAN1_TX	35	36	CAN1_RX
I2C3_SCL	37	38	I2C3_SDA
GND	39	40	PWM2

X8			
GND	1	2	PWM1
LVDS1_0_TXP	3	4	LVDS1_1_TXN
LVDS1_0_TXN	5	6	LVDS1_1_TXN
LVDS1_CLKP	7	8	LVDS1_2_TXP
LVDS1_CLKN	9	10	LVDS1_2_TXN
LVDS1_3_TXP	11	12	LVDS0_0_TXP
LVDS1_3_TXN	13	14	LVDS0_0_TXN
LVDS0_1_TXP	15	16	LVDS0_2_TXP
LVDS0_1_TXN	17	18	LVDS0_2_TXN
LVDS0_CLKP	19	20	LVDS0_3_TXP
LVDS0_CLKN	21	22	LVDS0_3_TXN
CSI_D0	23	24	CSI_D1
CSI_D2	25	26	CSI_D3
CSI_D4	27	28	CSI_D5
CSI_D6	29	30	CSI_D7
CSI_HS	31	32	CSI_VS
CSI_PCK	33	34	CSI_DE
SPI1_NCS	35	36	GPIO4_15
SPI1_CLK	37	38	SPI1_MOSI
GND	39	40	SPI1_MISO

X11			
USB0_ID	1	2	GND
USB0_N	3	4	USB1_N
USB0_P	5	6	USB1_P
USB0_VBUS	7	8	SD1_DET
SD1_CMD	9	10	SD1_CLK
SD1_D0	11	12	SD1_D2
SD1_D1	13	14	SD1_D3
PCIE_TXP	15	16	PCIE_RXN
PCIE_TXN	17	18	PCIE_RXP
3.3V	19	20	GND
ETH_RXN	21	22	ETH_TXN
ETH_RXP	23	24	ETH_TXP
AUD_TXC	25	26	AUDIO_MCLK
AUD_TXFS	27	28	AUD_TXD
AUD_RXD	29	30	AUD_TXD
UART2_RX	31	32	UART2_TX
UART3_RX	33	34	UART3_TX
UART3_RX	35	36	UART_TX
I2C2_SDA	37	38	I2C2_SCL
CAN2_RX	39	40	CAN2_TX
			GND

X10			
5V	1	2	5V
5V	3	4	5V
GND	5	6	GND
EIM_DA0	7	8	EIM_DA8
EIM_DA1	9	10	EIM_DA9
EIM_DA2	11	12	EIM_DA10
EIM_DA3	13	14	EIM_DA11
EIM_DA4	15	16	EIM_DA12
EIM_DA5	17	18	EIM_DA13
EIM_DA6	19	20	EIM_DA14
EIM_DA7	21	22	EIM_DA15
EIM_DE	23	24	EIM_WAIT
EIM_RW	25	26	EIM_BCLK
EIM_EB0	27	28	EIM_LBA
EIM_EB1	29	30	EIM_CS0
RESET	31	32	EIM_CS1
P_L1	33	34	GPIO3_26
P_L2	35	36	GPIO3_27
VBAT	37	38	GPIO2_16
SPDIF_OUT	39	40	GND

X2			
	Name		
1	HDMLP2		
2	HDMLN2		
3	GND		
4	HDMLP4		
5	HDMLN4		
6	GND		
7	HDMLP0		
8	HDMLN0		
9	GND		
10	HDMLCKP		
11	HDMLCKN		
12	GND		
13	HDMLHPD		
14	HDML_SCL		
15	HDML_SDA		
16	HDML_CEC		

FPA-WZA-16

				SK-iMX6-OEM			
				www.starterkit.ru			
				V1B			