OPS   H89MX   8/9   i3/i5/i7   6*USB6.0
195*180*42mm

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OPS Series H89MX 8th/9th Gen Intel Core i3/i5/i7 CPU PC support MXM Nvidia Gracphics Card

Digital Signage Open Pluggable Specification:

OPS system OPS-H89MX (OPS30-H89MX or OPS42-H89MX)

Features

JAE 80pin supports HDI2.0, external interface supports HDI1.4

Support 6× USB3.0

Dual-channel memory, up to 32G

Support M.2 SATA/PCIe NVMe storage, optional 2.5" HDD

Overview

Decenta OPS-C series OPS-H89MX complies with Intel Open Pluggable Specification-China (OPS-C) and adopt

8/9th Gen Intel Core i3/i5/i7 Processor. It is widely applied in diverse usage scenarios such as educational purposes,

video conferencing IFPD, digital signage, self-service retail, etc.

Model No. H89MX VER:1.1

1) The motherboard supports LGA1151 i3 i5 i7 and i9 desktop independent CPUs of the Coffee Lake 8-generation 9-generation platform, which can be disassembled;

2) The motherboard supports MXM graphics card NVIDIA GTX1050Ti-4G;

3) The motherboard supports single display, dual display/triple display/quad display replication, dual display/triple display/quad display expansion, and single display under DOS;

4) Mainboard DP and HDI interfaces support 4K resolution of 4096/3840* 2160@60Hz ;

5) OPS termination sub card DP, HDI interface supports 4K resolution 4096/3840* 2160@60Hz ;

6) Motherboard M.2 interface supports M 2 2280/2242 standard SSD supports SATA signal by default, and NVME (PCIE) signal can be modified;

7) The Mini PCIE interface on the motherboard has PCIE signals coexisting with USB signals by default (WIFI/3G /4G/Blue-tooth modules can be supported by default); SATA signal and USB signal can coexist, and MSATA disk is supported;

8) The motherboard is externally equipped with 3* USB3.1 Gen1 interface (USB30_2 lower interface is 3.1), 3* USB2.0 interface (USB3.0_2 upper interface is 2.0);

9) The USB interface outside the motherboard is powered by S by default (not charged after shutdown), and the USB of the daughter card is powered by A (charged after shutdown);

10) The motherboard supports 2COM by default; The COM1 port can optionally support RS232/RS422/RS485, which is set through BIOS;

11) Main board COM1 can set the ninth pin to output 0V/5V/12V through JCOM1 jump cap, and the default is 0V;

12) The motherboard only supports a single gigabit network interface, Realtek 8111H gigabit network card;

13) The power consumption of the motherboard is high, and it is recommended to use 12V 10A or 19V 6A or above power adapters;

The following CPU information is for reference only

i3-8100 4core 3.6Ghz 65W

i3-8300 4core 3.7Ghz 62W

i5-8400 6core 2.8/4.0Ghz 65W

i5-8500 6core 3.0/4.1Ghz 65W

i5-8600 6core 3.2/4.3Ghz 65W

i7-8700 6core 3.2/4.6Ghz 65W

i3-9100 4core 3.6/4.2Ghz 65W

i3-9300 4core 3.7/4.2Ghz 62W

i5-9400 6core 2.9/4.1Ghz 65W

i5-9500 6core 3.0/4.4Ghz 65W

i5-9600 6core 3.1/4.6Ghz 65W

i7-9700 8core 3.0/4.7Ghz 65W

i7-9900 8core 3.1/5.0Ghz 65W

The following five types of MXM graphics cards are provided

GTX1660-6G

GTX1650-4G

GTX1050TI

GTX1030-2G

RX550-4G

Order Information

H89MX V1.1 LGA1151+MXM(GTX1660-6G) slot 80pin OPS HDI+DP 2*SODDR3 1*LAN 2*COM 3*USB2.0 3*USB 3.1Gen1 12/19VDC

H89MX V1.1 LGA1151+MXM(GTX1650-4G) slot 80pin OPS HDI+DP 2*SODDR3 1*LAN 2*COM 3*USB2.0 3*USB 3.1Gen1 12/19VDC

H89MX V1.1 LGA1151+MXM(GTX1050TI) slot 80pin OPS HDI+DP 2*SODDR3 1*LAN 2*COM 3*USB2.0 3*USB 3.1Gen1 12/19VDC

H89MX V1.1 LGA1151+MXM(GTX1030-2G) slot 80pin OPS HDI+DP 2*SODDR3 1*LAN 2*COM 3*USB2.0 3*USB 3.1Gen1 12/19VDC

H89MX V1.1 LGA1151+MXM(RX550-4G) slot 80pin OPS HDI+DP 2*SODDR3 1*LAN 2*COM 3*USB2.0 3*USB 3.1Gen1 12/19VDC

OPS30-H89MX Height=30mm

Power: 2*2PIN(12V/19V) or 12V/19V adaptor

I/O interface: DC_IN,2*2PIN,HDI,USB

HDI: 2*10PINUSB:

MF_USB3(USB3.0 header) or MUSB_B(USB3.0)

JUSB_1(USB2.0 header) or MUSB_A(USB2.0)

MPC_CTRL, FAN_Header, 1*MPWRBTN(Power On)

LINE_OUT,OPS_TV_CON header

OPS-LVDS card support HDI+LVDS

OPS-DP card support HDI+DP