

# MDS-DP16H-20

## Features

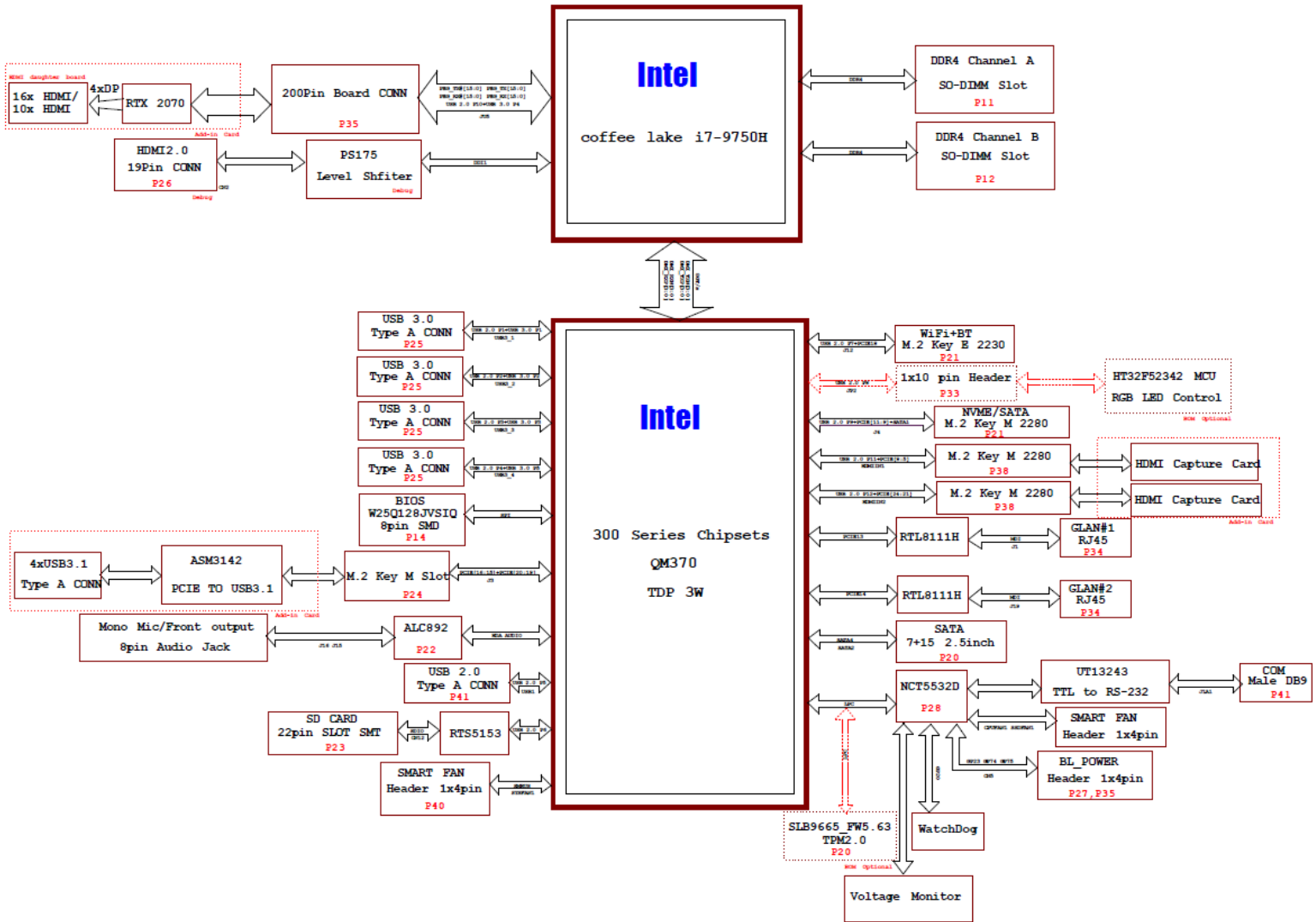
- Powered by NVIDIA GeForce RTX 2070 GPU
- Intel 9th Generation Coffee lake i7-9750H, 6 Cores/12 Threads CPU, 12M cache
- Drive up to 16 displays with single GPU, hardware and software integrated in Video Wall AIO Player
- Maximum 15360x2400@60Hz (8x2) high resolution, support 1920x1200 per port
- High Performance 8K Video Decoder Engine
- Signage Software ,Editor Schedule and Remoted Control
- Customize configurations to replace the original pre-sets, enabling faster setups

## Specifications

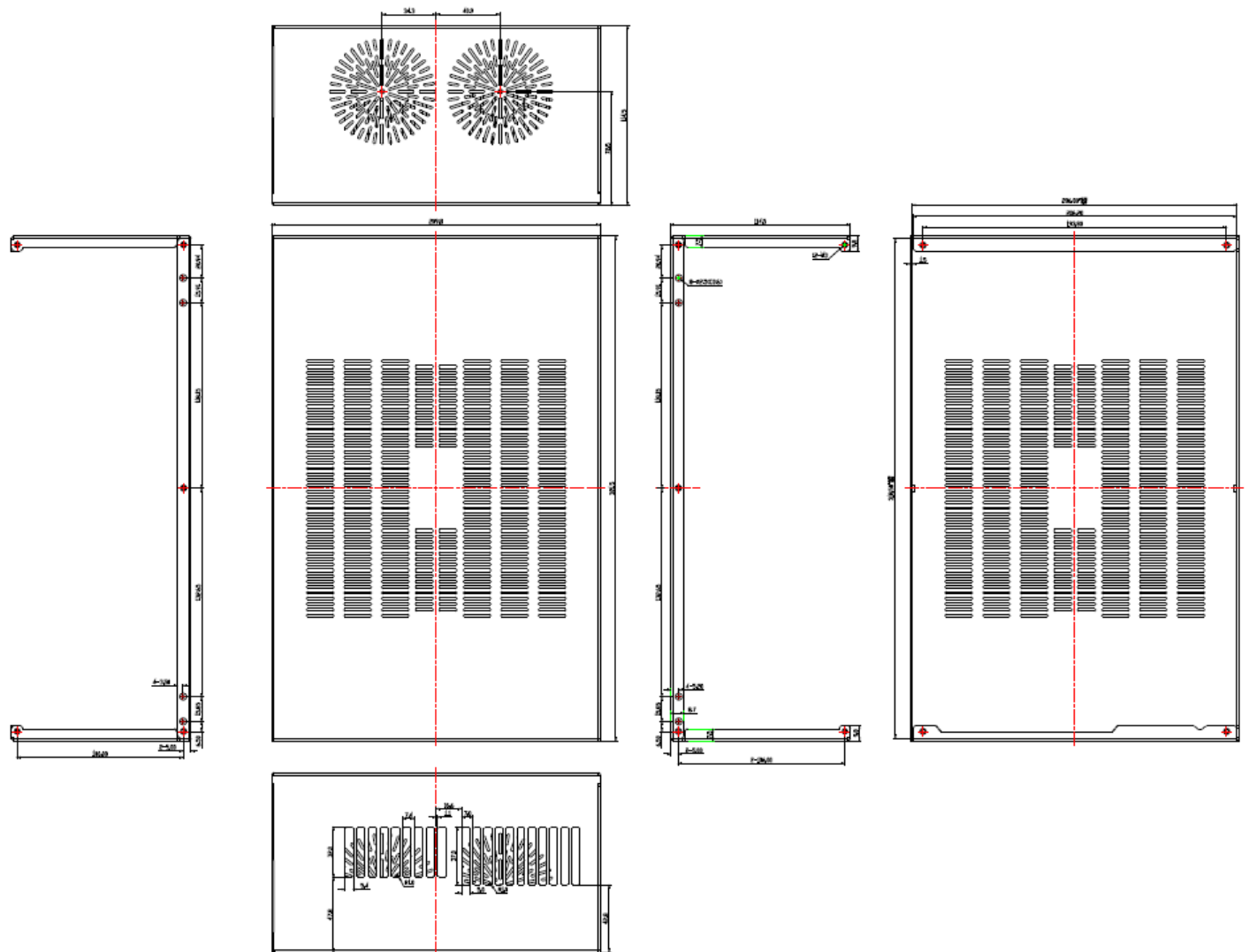


<b>System Specs</b>	
CPU	Intel 9th Generation Coffee lake i7-9750H, 6 Cores/12 Threads CPU, 12M cache
Chipset	Intel QM370
Memory	2 x SO-DIMM, 2 x 8GB DDR4
Networking	1x Intel Wireless-AC 9462NGW M.2 2230 , BT5.0 2x Realtek RTL8111H-CG Gigabit Ethernet controller
Audio Codec	1x ALC892-GR 7.1+2 Channel high-definition audio CODEC
Mass Storage	1x M.2 SSD slot (PCIe x4, NVMe SATA III auto detect); 1x 2.5" SATAIII HDD/SSD bay
<b>Graphics Specs</b>	
GPU	NVIDIA GeForce RTX 2070
NVIDIA CUDA Cores	2304
Memory Size	8GB GDDR6
Memory Clock	14.0 Gbps
Memory Interface Width	256-bit
<b>Display Support</b>	
Max. Displays	16
Max. Video Wall Resolution	7680x4800 @60Hz (4 x 4 mode) 15360x2400 @60Hz (2 x 8 mode)
Max. Displays Output per port	HDMI1.4 1920x1200 @60Hz
<b>I/O Interface</b>	
Video Outputs	16x HDMI + Console x 1
Lan	2x RJ45 for Gigabit LAN 2x WiFi Antenna
USB	4x USB 3.0 Type-A 4x USB 3.1 Type-A
Serial	1x D-Sub for RS-232
Audio	2x Microjack audio connectors for Mic / Line Out
LEDs	1x Power button with LED 2x LEDs for HDD/WiFi
<b>Mechanical &amp; Environment</b>	
Operating System	Windows® 10 Pro pre-installed
Power Supply	19.5V / 350 W Power Supply
Dimensions	321.5 x 209.8 x 114.5mm (excluding mounting plate and protruded portion)
Operating Temperature	0°C to +35°C
Storage Temperature	-10°C to +85°C

# Block Diagram



## Mechanical



## Ordering Information

Model Number	Description
MDS-DP16H-20	Intel® Core™ i7-9750H, 2 x SO-DIMM DDR4, NVIDIA GeForce RTX 2070, 8GB GDDR6 256-bits GPU card, 16 x HDMI outputs, 350W PSU, 0°C to +35°C