



Micro ATX Motherboard Based on Intel C3758 8 Cores 8 Threads CPU

Main Features:

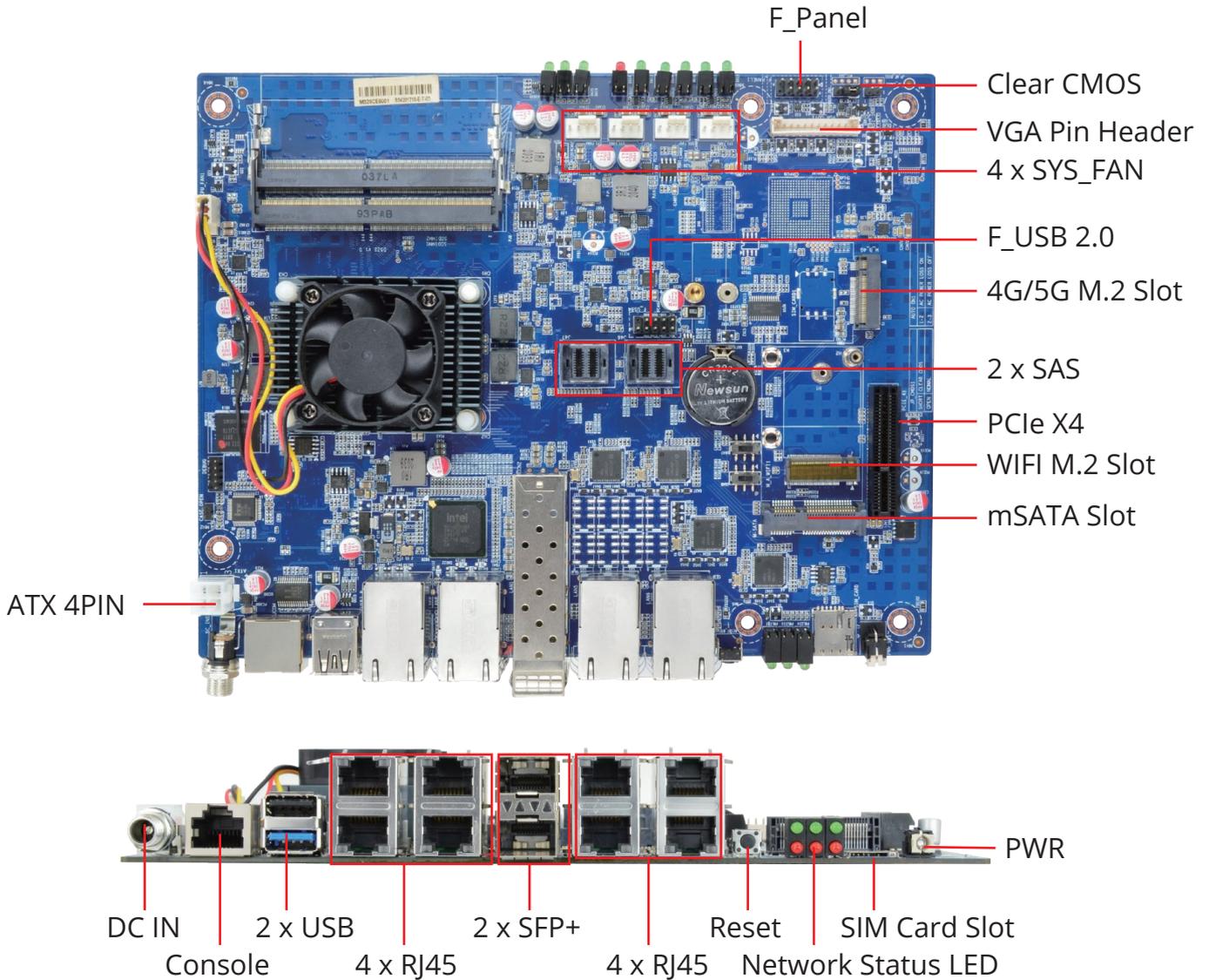
- Onboard Intel C3758 CPU
- 8 x 1000M Network
- 2 x SFP + 10G Network
- 2 x SAS Standard Storage Interface (Up to 6 x SATA 3.0)
- Support 5G Expansion

Specification:

System	
CPU	Intel C3758, 2.2GHz, 8 Cores, 8 Threads Intel C3858, 2.0GHz, 12 Cores, 12 Threads (optional)
Memory	Dual-channel SO-DIMM DDR4 2400, up to 64GB
Storage	SATA: 2 x SAS standard storage interface (up to 6 x SATA 3.0) Mini PCIe: Support mSATA SSD
Operating System	Windows Server, Linux/Centos
Display	
Core	ASPeed AST2510 Core (optional)
Output Interface	VGA
Network	
Network	4 x Intel I211AT 1,000M network 1 x Intel I350 network (4 x 1,000M network) 2 x SFP + 10G network
Other Interfaces	
USB	Rear Interface: 1 x USB 3.0 + 1 x USB 2.0 Built-in: 2 x USB 2.0 (pin header)
COM	Support 1 x Console (RS232)
Expansion	1 x M.2 KeyA 2230, supports WIFI (optional, share with VGA signal, none for default) 1 x M.2 KeyB 3052, supports 4G/5G module 1 x PCIe X4 (X1 signal, share with VGA signal, none for default) 1 x Open Lid Detection (2pin) 1 x Power On (3pin, hardware auto power on function)
Software	
Watch Dog	Support
Raid	No Hardware Raid, support Software Raid 0,1
Power Supply	
Power Supply	1 x ATX 4pin 1 x DC-IN 12V
Environment	
Operating Temp.	0~60°C
Storage Temp.	-20~80°C

Description:

EMB-IC3758DS-MA101 is based on Intel C3758 processor, supporting 8 x Intel 1,000M network and 2 x 10G network. With expansion up to 6 x SATA 3.0, it also supports 4G/5G module, can be applied in devices such as intelligent network gateway, SD-WAN and small server, etc.



Order Information:

CPU	1,000M Network Card	10,000M Network Card	VGA	SATA	eMMC	mSATA	5G Slot
C3758 2.2GHZ 8C/8T	8	2	Support	6	32GB/64GB	Support	Support
C3858 2.0GHZ 12C/12T	8	2	Support	6	32GB/64GB	Support	Support



ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9-year experience, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST, Rockchip, Allwinner and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

