

BMP Series

BMP3026



Fanless Medical Embedded Premium Box PC



Fanless

4k Video
Input & Output

Isolated IO Ports



TPM 2.0



- Intel® Elkhart Lake x6425E Series Processor
- UHD 4K® 60Hz Video Can be Recorded from Several Medical Devices
- Support Power-Isolated HDMI, RS-232 & LAN Ports
- Support Movidius AI Module Slot for Software Development
- Includes TPM 2.0 for Industry Standard Hardware Based Security



Operation Surgical, Multi-Imaging Data Transformation, Radiology, Education Streaming, Patient Monitoring

Specification

BMP3026

System

CPU	Intel® Atom® Elkhart Lake x6425E Quad Core
GPU	Intel® UHD Graphics with FPGA 4K Video Processing
Memory	1 x SO-DIMM, DDR4 16GB (Soldered)
Storage	1 x 2.5" SATA SSD 1TB
OS Support	Windows 10
Ethernet	AX88179QF (ASIX Electronics)
Expansion	1 x M.2 SATA SSD (Expandable)
WiFi	WIFI 802.11 abgn/ac + BT 5.0 LE (Optional)
Rear I/O Ports	3 x USB 2.0 Type A 1 x USB 2.0 Type A (4KV Isolation) 4 x HDMI Type A 1 x HDBT (RJ-45) 2 x LAN (1 x 4KV Isolation) 1 x COM (RS-232 with 4KV Isolation) 8 x Trigger (10-Pin Terminal Block) 3 x Analog Stereo (3.5mm) 1 x Control UART (RX/TX Only 3.5mm) 1 x DC-In
Front I/O Ports	2 x USB 3.0 Type A 2 x HDMI Type A 1 x Power Switch
Video	HDMI 2.0 (DVI 1.0) Input: 2.0b / Output: 2.2 Input Signal: 4096 x 2160p@60 8-bit YUV 4:4:4 Output Signal: 4096 x 2160p@60 8-bit YUV 4:4:4 Maximum Input: HDMI 4096 x 2160p@60 Maximum Output: HDMI 4096 x 2160p@60 HDBT 4096 x 2160p@60 Recording 1920 x 1080p@60 HDMI 1080p@60
Audio	HDMI: LPCM (8 Channels) Line In: 2 Vrms, S/N Ratio: > 80dB (1kHz with 0dBFS) Mic In: 2 Vrms, S/N Ratio: > 80dB (1kHz with 0dBFS) Line out: 2 Vrms, S/N Ratio: > 80dB (1kHz with 0dBFS)

Physical

Color	White
Dimensions (WxDxH)	296 x 296 x 67 mm
Weight	4.3 kg
Enclosure	Metal Aluminum
Power Adapter	DC 24V/4.17A, 100W
Security	TMP2.0

Environment

Certification	CE, FCC, EN 60601-1, EN 60601-1-2
Operating Temperature	0°C - 40°C
Storage Temperature	-20°C - 60°C
Warranty	2 Years

Overview



Front View



Rear View

Diagram

