Physical Specifications

**Rackmount Server Hardware**
**BeneVision DMS and eGateway Integration Solution**

- **Configuration:** 2U
- **System:** KISS 2U V2 KTQ87
- **Product Line:** KISS 2U V2
- **Dimensions (H x W x D):** 3.5" x 19" x 18.6" (8.9 x 48.3 x 47.2 cm)
- **Weight:** 17.6 lb (8 kg)
- **Interfaces (Rear):** 2x GB LAN, 2x USB 3.0, 3x display port 2x RS232, HD audio
- **Power Supply:** 2U 250 W redundant power supply, supports hot swap
- **CPU Board:** KTQ87/Flex
- **Chipset:** Q87
- **DMS Server Capacity:** 32 patient sectors
- **eGateway Capacity:** 200 patients
- **RAM:** DDR3, 4 GB, 1333 MHz
- **Processor:** i5-4570S 2.90 GHz
- **Hard Disk:** Dual 500 GB, RAID 1
- **Cooling:** Two hot swap chassis fans, air filter
- **Temperature**
  - Operating: 32°F to 122°F (0°C to 50°C)

**Rackmount Server Hardware**
**BeneVision DMS Enterprise Server**

- **Configuration:** Enterprise 1U
- **System:** HPE DL 360 Gen10 4LFF
- **Dimensions (H x W x D):** 1.7" x 17.1" x 29.5" (4.3 x 43.4 x 75 cm)
- **Weight:** 27.01 lb
- **Interfaces (rear):** USB (2), 1 GB Ethernet (4), 1 management port, 1 VGA
- **Power Supply:** Dual 500 W hot swap
- **RAM:** 16 GB
- **Processor:** E5-2620v4
- **Hard Disk:** 2 TB RAID 1+0
- **Patient Capacity:** 128 patient sectors
- **Temperature**
  - Operating: 50°F to 95°F (10°C to 35°C)

**DMS Tower Server Hardware**
**BeneVision DMS**

- **Configuration:** Tower
- **System:** ProDesk 400 G7 SFF
- **Dimensions (H x W x D):** 10.6" x 3.7" x 11.9" (27.9 x 9.4 x 30.2 cm)
- **Weight:** 8.6 lb (3.9 kg)
- **Interfaces (rear):** USB (10), RCA (2), 1 GB Ethernet (2), Display Port (2), Serial Port (1), HDMI (1)
- **Power Supply:** 180 W
- **RAM:** 4 GB
- **Processor:** Intel KBL Core i5
- **Hard Disk:** (1) 256 GB SSD  
  (1) 1 TB HD
- **Patient Capacity:** 32 patient sectors
- **Temperature**
  - Operating: 50°F to 95°F (10°C to 35°C)
BeneVision SYSTEM COMPONENTS

Physical Specifications

Mini PC Hardware
BeneVision DMS WorkStation

- **Configuration:** Mini
- **System:** ProDesk 600 G4 PC
- **Dimensions (H x W x D):** 1.4” x 7” x 7” (3.6 x 17.8 x 17.8 cm)
- **Weight:** 2.7 lb (1.2 kg)
- **Interfaces (rear):** USB (7), RCA (2), 1 GB Ethernet, Display Port (3)
- **Power Supply:** 65 W
- **RAM:** 4 GB
- **Processor:** Intel 7500 7Gen Core i5-4C
- **Hard Disk:** SSD 128 GB
- **Patient Capacity:** 32 patient sectors
- **Temperature**
  - **Operating:** 50°F to 95°F (10°C to 35°C)

BeneVision DMS Widescreen Display
BeneVision DMS WorkStation Tower Server

- **Configuration:** DMS WorkStation
- **System:** E24t G4FHD Touch Monitor
- **Viewable Image Area:** 23.8”
- **Dimensions (H x W x D):**
  - w/stand: 19.5” x 21.2” x 8.1” (49.49 x 53.78 x 20.7 cm)
  - w/o stand: 12.7” x 21.2” x 1.8” (32.33 x 53.78 x 4.7 cm)
- **Aspect Ratio:** 16:9
- **Weight:** 12.8 lb (5.8 kg)
- **Interfaces (rear):** 1 VGA; 1 USB Type-B; 1 HDMI 1.4; 1 DisplayPort™ 1.2; 4 USB-A 3.2 Gen 1
- **Power Supply:** 100 - 240 VAC, 50/60 Hz
- **Max. Consumption:** 52 W
- **Temperature**
  - **Operating:** 45°F to 95°F (5°C to 35°C)

- **Configuration:** DMS WorkStation
- **System:** P2418HT Touch Monitor
- **Viewable Image Area:** 23.8”
- **Dimensions (H x W x D):**
  - w/stand: 16.7” x 21.2” x 9.2” (41.96 x 53.78 x 23.48 cm)
  - w/o stand: 12.6” x 21.2” x 2.1” (32.14 x 53.78 x 5.41 cm)
- **Aspect Ratio:** 16:9
- **Weight with Stand:** 16.35 lb (7.42 kg)
- **Interfaces (rear):** DisplayPort™, VGA, HDMI, Audio line-out, USB 3.0 connector, BC 1.2, USB 2.0
- **Power Supply:** 100 - 240 VAC, 50/60 Hz
- **Max. Consumption:** 51 W
- **Temperature**
  - **Operating:** 32°F to 104°F (0°C to 40°C)
Storage Area Network
HPE MSA 2050 SFF SAN
Dimensions (H x W x D): 3.5” x 17.6” x 19.5” (8.9 cm x 44.7 cm x 49.5”)
Weight: 38.7 lb (17.6 kg)
Power Supply: Dual Hot Swap 500w
Ethernet: Small SAN 4
Medium SAN 4
Large SAN 8
Hard Disk: Small SAN 4*1.2 TB (128 patients)
Medium SAN 8*1.2 TB (256 patients)
Large SAN 16*1.2 TB (512 patients)
Temperature
Operating: 41°F to 104°F (5°C to 40°C)

HP LaserJet Enterprise M608n Printer
Dimensions (H x W x D): 18.3” x 15” x 17” (46.5 x 38.1 x 43.2 cm)
Weight: 47.7 lb (21.6 kg)
Performance
Printing Technology: Monochrome laser
Resolution: 1200 x 1200 dpi maximum
Paper Handling
Paper Capacity: Input: 550 sheets
Output Bin: 500 sheet
Power
Power Supply: Internal 115 volt
Power Requirements: 100V to 127V @+/- 10% minimum of 90 V 50 – 60 Hz
Temperature
Operating: 59°F to 80.6°F (15°C to 27°C)
Humidity
Operating: 30 to 70% RH
Uninterrupted Power Supply (UPS)
Model: Tripp-Lite OMNIVS800
Dimensions (H x W x D): 10.8” x 5.2” x 7.5” (27.4 x 13.2 x 19 cm)
Weight: 15.9 lb (7.2 kg)
Full Load Runtime 3.5 minutes (475w)
Half Load Runtime 11.5 minutes (240w)
DC System Voltage (VDC) 12
Flush Wall Mount Channel (optional)
Dimensions (H x W): 19” x 4” (48.3 x 10.2 cm)
Weight Load: 30 lb (13.6 kg)
Moment Load: 80 lb (36.3 kg)
Bottom Edge from Floor: 52” min (132.1 cm) to 56” max (142.2 cm)
Physical Specifications

AP70
The AP70 is used to bridge the telemetry monitor to the wired network.
Size (H x W x D): 22.5 cm × 22.5 cm × 4.0 cm
8.8” x 8.8” x 1.6”
(without wall-mount bracket and antennas)
Weight: 0.19 lb (0.85 kg)
(without batteries and wall mount bracket)
LED Power LED: 1 (one color: green)
Status LED: 1 (two colors: red and green)
RF LED: 1 (two colors: blue and green)
Network Port: One RJ45 port, compatible with 100Base-TX Standard, supporting POE
Reset Button: 1

AC70
The AC70 is the wireless controller which manages communications between the AP70 and TM70.
The AC70 also allows configuration, management, status reporting, and troubleshooting of the wireless network.
Configuration: 1U
System: HPE DL 360 Gen10 4LFF
Size (H x W x D): 4.3 cm x 43.4 cm x 75 cm
1.7” x 17.1” x 29.5”
Weight: 27.01 lb (12.2 kg)
Interfaces (rear): USB (2), 1 GB Ethernet (4), 1 management port, 1 VGA
Power Supply: Dual 500 W hot swap
RAM: 16 GB
Processor: E5-2620v4
Hard Disk: 2 TB RAID 1+0
Temperature Operating: 50°F to 95°F (10°C to 35°C)

SYNC70
The SYNC70 is used to synchronize time between AP70s and TM70s to reduce wireless interference.
Size: 18.5” x 9.6” x 1.9” (47.0 cm × 24.5 cm × 5.0 cm)
Weight: 5.51 lb (2.5 kg)
Power LED: 1 (one color: green)
Status LED: 1 (two colors: red and green)
CLK (Main-Backup) LED: 1 (one color: green)
Network port: Two RJ45 ports, compatible with 100Base-TX standard
AC Power Input Port: 1, supporting voltage
Input: 100-240 VAC+10%
Frequency Input: 50 Hz (+3 Hz) or 60 Hz (+3 Hz)
Reset Button: 1

Equipment Racks
At least one (1) full size equipment rack required
Minimum of 2 ft of clearance on all sides required
Requires 30 A circuit with NEMA LS-30R (30A Twist-Lock) receptacle and two (2) 110V AC outlets connected to 20 A circuit
Heat Dissipation: 9,000 BTU max
Operating Temperature: 50°F to 78°F (10°C to 25.5°C)

27U Equipment Rack
Dimensions (H x W x D): 66” x 23” x 40” (167.6 x 58.4 x 101.6 cm)
Heat Dissipation: 6,000 BTU max

43U Equipment Rack
Dimensions (H x W x D): 80” x 23” x 40” (203.2 x 58.4 x 101.6 cm)
Heat Dissipation: 8,000 BTU max