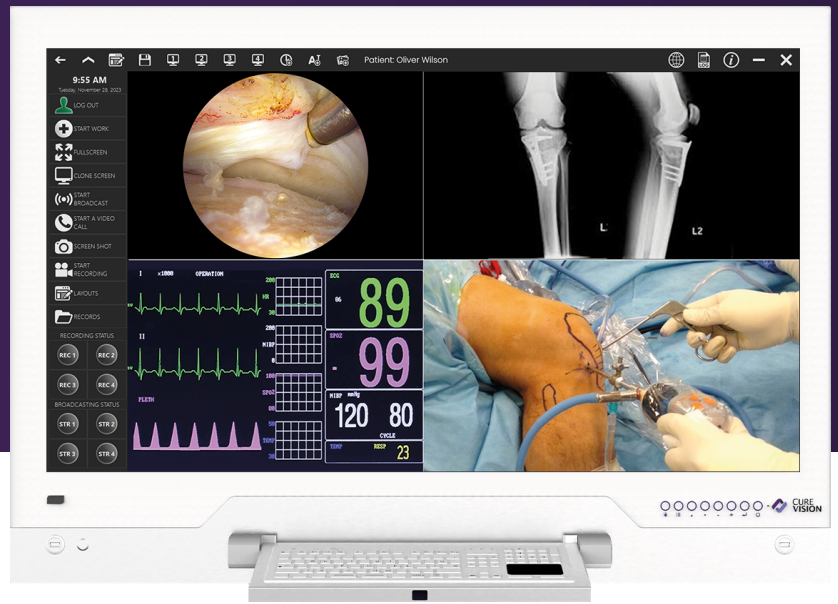


## CureConsole™ MEDICAL COMPUTER

OR CONSOLE NURSE  
CONSOLE

OR WORKSTATION NURSE  
WORKSTATION



# GP-449

### CureConsole™ Series

49" 4K OR & Nurse Workstation · Fanless · IP65 · MDR Class I · DICOM D55 / D65 / D93

The CureConsole GP-449 is a 49-inch 4K in-wall medical workstation that gives surgical and nursing teams instant access to patient records, HIS data, PACS imaging, and procedure documentation – directly from the operating room or nursing station, without leaving the sterile field.

For OR managers and biomedical teams equipping a large surgical suite, the GP-449 combines the largest CureConsole display with full HIS integration, barcode and RFID tracking, and an IP65-rated antibacterial interface – all in a flush inwall unit built for continuous clinical operation. Available as a standalone 4K DICOM display (M) or as a fully integrated workstation with built-in 12th Gen computer (CPU).

#### VARIANTS

- GP-449-M Monitor Only
- GP-449-CPU With iCore12thGen

#### CERTIFICATIONS

- MDR Class I
- IEC 60601-1 LVD
- IEC 60601-1-2 EMC
- IP65 Front
- CE Marked
- ISO 17025 OR Hygiene
- ISO 13485 Quality Mgmt

#### MOUNTING

- In-Wall (flush)
- On-Wall (surface)

#### WARRANTY

- 3 Years Standard
- 5 Years Spare Parts



## KEY FEATURES



### 49" 4K — Maximum OR Visibility

The largest CureConsole display gives the entire surgical team simultaneous, clear visibility of patient data, HIS records, and 4K radiology images — without anyone needing to reposition.



### DICOM Calibrated — D55, D65 & D93

Factory DICOM calibration and D55, D65, and D93 white-point presets plus adjustable gamma corrections — ensuring clinically accurate image reproduction for radiology review in the OR.



### IP65 Disinfection-Ready

IP65-rated front panel with antibacterial coating withstands daily disinfection with hospital-grade cleaning agents — without surface degradation or display performance loss over time.



### HIS & PACS Integration

Information Systems, PACS, RIS, PDMS, and EMR applications — all from the OR or nursing station. No separate workstation, no system switching.



### Fanless Silent Operation

Completely fanless design — no airborne particle generation, no moving parts, no noise. Ideal for sterile OR environments and ISO 14644 cleanroom-class spaces.



### Barcode & RFID Tracking

Built-in 1D/2D barcode/QR reader and dual-frequency RFID reader track instruments, consumables, and personnel automatically — audit-ready records without additional hardware.



### Front-Access Serviceability

Hinged chassis opens fully from the front. One technician services all components in the OR without wall dismantling — minimising downtime and eliminating specialist installation teams.



### Foldable Keyboard & Touchpad (KB option)

Optional integrated foldable antibacterial keyboard with glove-compatible capacitive touchpad — full workstation control without a separate input device, maintaining sterile field protocols.



### Flexible Video Inputs

Standard 2× DP 4K + 2× HDMI 4K. Optional: VGA, S-Video, Component, DVI-D, and 3G-SDI / 12G-SDI — connecting legacy and 4K surgical imaging equipment simultaneously.

## Is the CureConsole GP-449 Right for Your OR?

- Your OR requires maximum display size — for large surgical teams or complex procedures where full-team visibility of patient data, HIS records, and 4K imaging matters.
- You are designing a new OR or upgrading a flagship suite and want the largest available in-wall console format with 4K resolution.
- Your facility handles high procedure volumes and needs one workstation for HIS data, RFID tracking, DICOM review, and documentation.
- You want the same in-wall footprint as the GP-446 but with 4K resolution, DICOM calibration, higher brightness, and a larger screen.



## MODEL NOTATION & ORDERING CODE

CureConsole™ GP-449	-M OR -CPU	-RAM	-SSD	-W	-KB	-QR	-RFID	-DVD	
Product Family	M = Monitor only CPU = iCore12thGen	8GB / 16GB / 32GB (CPU only)	256GB 512GB / 1TB (CPU only)	Built-in Wi-Fi (CPU only)	Foldable Keyboard & Touchpad	Barcode / QR Reader	Dual-Freq RFID Reader	Built-in DVD Drive	*Rec: GP-449-CPU -16GB-512GB -QR-RFID

### 49" 4K DISPLAY

Size / Aspect	49" / 16:9
Panel Technology	LCD · LED Backlight
Max Resolution	3840 × 2160 (4K UHD) @60Hz
Pixel Pitch	0.280 mm × 0.280 mm
Max Colour	10-bit · 1.07 billion colours
Brightness	700 cd/m <sup>2</sup>
Contrast Ratio	4000:1
Viewing Angle	178° (H) / 178° (V)
Backlight MTBF	50,000 hours
Touch Screen	N.A.

### DICOM CALIBRATION

White-Point Presets	D55 (5,500K – warm white) D65 (6,500K – standard daylight) D93 (9,300K – cool white)
Gamma	Adjustable gamma correction curves
DICOM Standard	DICOM Part 14 GSDF compliant
Calibration Utility	Software DICOM calibration included

### VIDEO INPUTS — OPTIONAL

Optional Input	1× VGA (analog) / S-Video (analog) / Component Video (YPbPr analog) 1× DVI-D (digital TMDS) 1× 3G-SDI / 12G-SDI
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### VIDEO INPUTS — STANDARD

Input 1–2	2× DisplayPort (4K UHD / 4096×2304@60Hz) – Rear Panel
Input 3–4	2× HDMI (4K UHD / 4096×2304@60Hz) – Rear Panel (Optional – front panel flush-mount, IP65 antibacterial cap)

### COMPUTER MODULE (CPU model only)

CPU	Intel Core i5-1235U – 12th Gen Alder Lake-P
Cores / Threads	10-core (2P+8E) / 12 threads · up to 4.40 GHz
GPU	Intel Iris Xe Graphics – 80 EU
Chipset	Integrated PCH in SoC (FCBGA1744)
Memory	DDR4 SO-DIMM · 8 GB / 16 GB / 32 GB
SSD	256 GB / 512 GB / 1 TB
System Cooling	Fanless – no moving parts
BIOS	AMI UEFI · Watchdog Timer (255-level)
Operating System	Windows 10 / 11 Enterprise 64-bit
Optical Drive	Built-in DVD-RW (DVD option)
Barcode / QR	Built-in 1D/2D Barcode + QR Reader (QR option)
RFID	Built-in Dual-Frequency RFID Reader (RFID option)



CONNECTIVITY	
LAN (CPU)	2x Gigabit Ethernet 10/100/1000 Mbps (CPU variant)
USB — Front Panel	2x USB 2.0 flush-mount, IP65 antibacterial cap
USB — Rear (M)	4x USB 2.0 + 4x USB 3.0 (monitor variant)
USB — Rear (CPU)	USB — Rear (CPU) 4x USB 3.0 rear panel (CPU variant)
Serial Port	1x RS-232 rear panel
Audio	Line In & Out
Expansion (CPU)	PCIe + Mini PCIe (CPU variant)
GPIO	GPIO Header
Wi-Fi (CPU)	802.11 b/g/AC built-in module (W option, CPU only)
INPUT DEVICES	
Keyboard	Foldable antibacterial keyboard (KB option)
Touchpad	Glove-compatible PCAP touchpad in keyboard (KB option)
Mouse	Optional — antibacterial mouse and mouse tray attached to the integrated foldable keyboard mechanism.
CERTIFICATIONS	
Medical Device	MDR Class I Medical Device Certificate
Electrical Safety	IEC 60601-1 (Low Voltage Directive)
EMC	IEC 60601-1-2 (Electromagnetic Compatibility)
EU Marking	CE
IP Rating	IP65 (IEC 60529)
OR Hygiene	ISO 17025 Accredited Laboratory Approval
Quality System	ISO 13485:2016 Medical Device QMS
Warranty	3 Years Standard / 5 Years Spare Parts

POWER	
Device Input	24 VDC
Power Adapter	24 VDC Medical Grade Adapter — included
Adapter Input	100–240 V AC 50/60 Hz (universal)
Consumption	≤ 120 W (typical, with CPU module)
CHASSIS & PHYSICAL	
Case	Heavy Duty Metal — Stainless Steel
Front Frame	Custom Built-In Tempered Safety Glass
Front Protection	IP65 — dust-tight + water jet resistant
Surface	Antibacterial coating — hospital disinfectant resistant
Serviceability	Front-access hinged chassis — full component access from front by one technician without OR disruption
Mounting	In-wall (flush) / On-wall (surface) — both options
Working Temp	0°C - 60°C
Humidity	5% - 95% (non-condensing)
Dimensions (Front)	1153.80 mm (W) × 762.20 mm (H)
Active Display Area	1073.80 mm (W) × 604.00 mm (H)
Chassis Depth	40 mm - 175 mm (variable)
Chassis Rear	1142 mm (W) × 689 mm (H)

### Front-Access Hinged Chassis — Designed for Service in the OR

The GP-449 chassis incorporates a precision hinge system that allows the entire front panel to swing open fully, giving a single technician complete access to all internal components — computer module, display controller, storage, and I/O — without removing the unit from the wall or disrupting the operating room. Maintenance, upgrades, and component replacement are completed entirely on site, minimising OR downtime.

