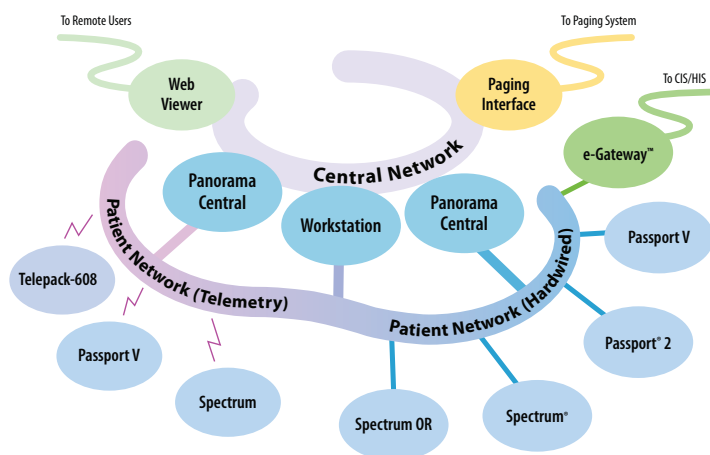


# Panorama®

## WMTS Telemetry Network

### Summary of Features and Benefits

- Operation in the FCC protected 608-614 MHz WMTS medical band safeguards against interference from non-medical devices
- The Panorama WMTS Telemetry Network delivers the reliability of hardwired connectivity with the flexibility of wireless monitoring
- High bandwidth ensures support for all critical care advanced bedside monitor parameters including wireless 12-lead ECG
- Bi-directional communication, along with bedside alarm tracking, ensures synchronized configuration between bedside monitors and the central station
- Utilizes the same wireless technology and frequencies for both instrument and ambulatory telemetry, saving infrastructure cost
- Ambulatory telemetry, instrument telemetry, and hardwired bedside monitors can be viewed on a single Panorama Central Station, minimizing hardware and space requirements
- Enables continuity of patient monitoring from the emergency, critical care, and step down departments, and anywhere in-between



**Our Panorama system combines the power and flexibility** of wireless communication in the protected WMTS band with the reliability of hardwired connectivity. Smart network design enables hospitals to use ambulatory telemetry, instrument telemetry and hardwired bedside monitors on a single integrated patient monitoring network.

The result is the Panorama WMTS Telemetry Network, a fully scalable, customizable, and expandable solution to meet your current and future monitoring needs.

### Ambulatory Telepack

#### Mechanical & Environmental

Model:	Panorama® Telepack-608
Form Factor:	Compact patient worn monitoring device
Dimensions (H x W x D):	5.10" x 2.95" x 1.23" (13.0 x 7.5 x 3.1 cm)
Weight:	6.4 oz (181.4 g) without batteries
Power Supply:	Battery operated (2 AA alkaline)
Power Output:	1mW (ERP)
Frequency Range:	608-614 MHz (transmit) WMTS channelized
Operating Temperature:	+41 to +104°F (+5 to +40°C)
Operating Humidity:	15% to 90% RH non-condensing
Operating Altitude:	-1,250 to 9,889 ft (-381 to 3,014 m) ASL
Shock and Vibration:	IEC60068-2-27; IEC 60068-2-6
Certifications:	FCC, CSA, CE
Water Resistance:	IPx4 rated with leads attached (per IEC60529)
Options:	Removable SpO <sub>2</sub> module



#### Operation & Interface

Controls:	Nurse Call, Attendant Present, Lead Select, System Check (ECG lead connections, battery & system status), and Remote Print buttons
LED Indicators:	Individual ECG lead status, battery status, link status
Battery Life:	40 hours typical (using recommended batteries)
No. of Lead Wires:	3 or 5 lead ECG Lead sets; individually replaceable lead wires
ECG Vectors:	I, II, III, aVR, aVL, aVF, V(n)
Active lead:	User selectable – Lead I or II
Arrhythmia/ST:	Yes/Optional

### Instrument Radio/Transceiver

#### Mechanical & Environmental

Model:	Panorama Instrument Radio 608
Form Factor:	Internal circuit card with external antenna for Passport® 2 and Spectrum® bedside monitors
Dimensions:	5.5" (14.0 cm) long antenna
Weight:	5.6 oz (158.8 g)
Power Supply:	Internally powered by monitor
Power Output:	6mW (ERP)
Frequency Range:	608-614 MHz (transmit) WMTS channelized 1395-1400 MHz & 1427-1429.5 MHz (receive) WMTS channelized
Operating Temperature:	+41 to +104°F (+5 to +40°C)
Operating Humidity:	15% to 90% RH non-condensing
Operating Altitude:	-1,250 to 9,889 ft (-381 to 3,014 m) ASL
Certifications:	FCC, CSA, CE



### Telemetry Antenna

#### Mechanical & Environmental

Form Factor:	Indoor surface/ceiling mount antenna
Dimensions:	5.5" long antenna x 7.6" diameter base (14.0 x 19.3 cm)
Weight:	14.1 oz (399.7 g)
Power Supply:	Powered over coax by Panorama Wireless Transceiver
Frequency Range:	608-614 MHz (receive) WMTS 1395-1400 MHz & 1427-1429.5 MHz (transmit) WMTS
Certifications:	FCC, CSA, CE



### Telemetry Server

#### Mechanical & Environmental

Model:	Panorama Telemetry Server 608
Form Factor:	EIA 19" rack mountable, 2U
Dimensions (H x W x D):	3.5" x 17.0" x 28.0" (8.9 x 43.2 x 71.1 cm)
Weight:	36.0 lbs. (16.3 Kg)
Power Supply:	100-240 VAC, 50/60Hz, 1.4-0.6 Amps
Power Dissipation:	193 W max
Operating Temperature:	+41 to +104°F (+5 to +40°C)
Operating Humidity:	20% to 80% RH non-condensing
Operating Altitude:	-1,250 to 9,889 ft (-381 to 3,014 m) ASL
Certifications:	FCC, CSA, CE



#### Operation & Interface

Operating System:	Windows® based
Inputs:	(1) LVDS digital interface to Panorama Wireless Transceiver
Outputs:	(1) RJ-45 Ethernet to Panorama Patient Monitoring Network

### Wireless Transceiver

#### Mechanical & Environmental

Model:	Panorama Wireless Transceiver
Form Factor:	EIA 19" rack mountable, 3U
Dimensions (H x W x D):	5.25" x 17.0" x 16.2" (13.3 x 43.2 x 41.2 cm)
Weight:	12.35 lbs. (5.6 Kg)
Power Supply:	100-120 VAC, 60Hz, 1.25 Amps max
Power Dissipation:	125 W max
Operating Temperature:	+41 to +104°F (+5 to +40°C)
Operating Humidity:	20% to 80% RH non-condensing
Operating Altitude:	-1,250 to 9,889 ft (-381 to 3,014 m) ASL
Certifications:	FCC, CSA, CE



#### Operation & Interface

Inputs:	(2) BNC, 75 ohm, to RF diversity antenna networks
Outputs:	(4) LVDS digital interfaces to Panorama Telemetry Server