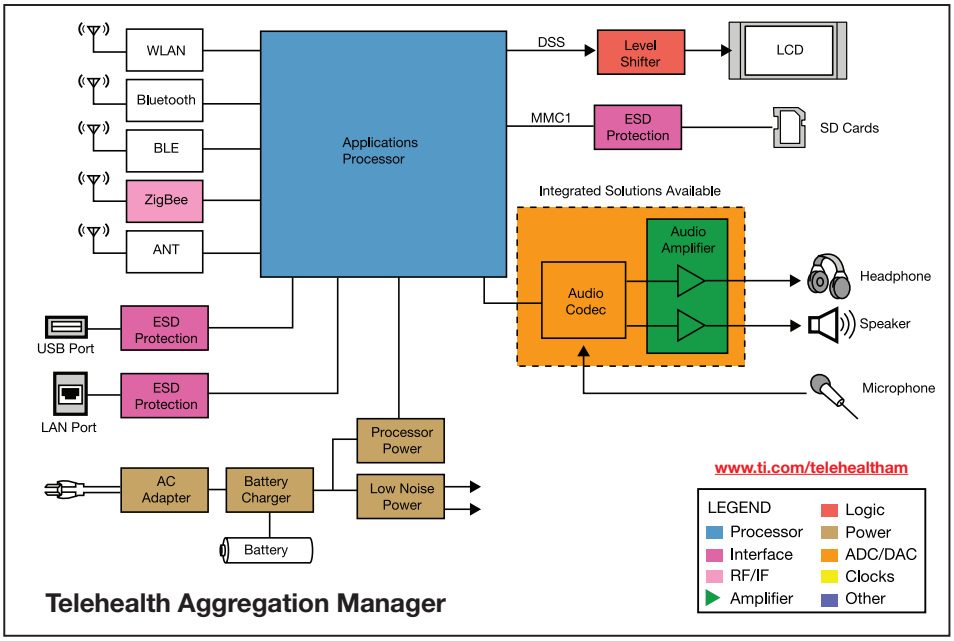
TI products that fit your Telehealth Aggregation Manager design

With aging populations, increasing incidence of chronic diseases, and the need to control health care costs, connected health technologies are becoming increasingly important.

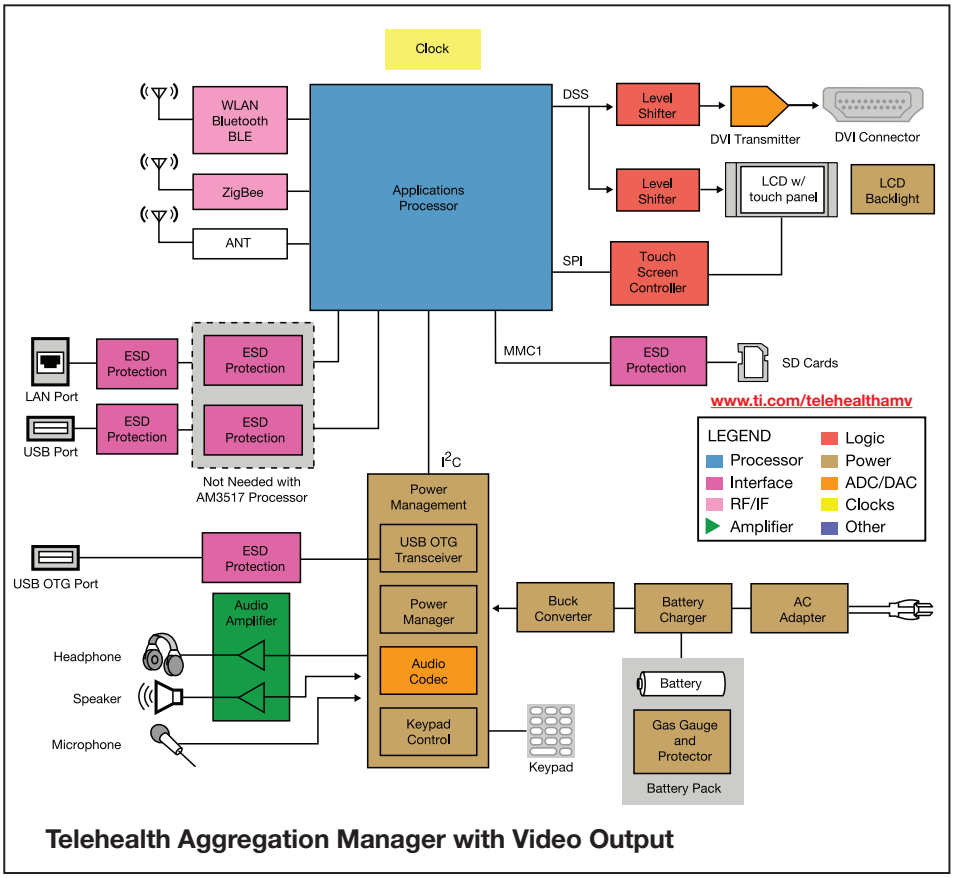
The Telehealth / Telemedicine Aggregation Manager is an essential device in the connected health system enabling personal health devices to log data in a remote EHR (Electronic Health Record) for family and clinical review. Higher end Aggregation Managers can also support multimedia functions.

Get your design started now with complete solutions from TI for a dedicated low power Aggregation Manager with or without video output.

- Visit **www.ti.com/telehealth** for more information
- View our Continua white paper: **http://www.ti.com/litv/pdf/swpy026**
- View interactive system block diagrams:
  - Telehealth aggregation manger at **www.ti.com/telehealtham**
  - Telehealth aggregation manager with video output at **www.ti.com/telehealthamv**
- Download our latest Consumer Medical Applications Guide at **www.ti.com/medicalguides**



Telehealth Aggregation Manager



Telehealth Aggregation Manager with Video Output

Simplify design and get to market faster with recommended solutions from TI

Device	Description	Key Features	Benefits
Telehealth AM			
LM3S9B96	Stellaris® ARM Cortex-M3 microcontroller	Operates at up to 80 MHz, with 256 kB flash, 96 kB SRAM, a 32-ch DMA, and 32-bit external peripheral interface	The LM3S9B96 features real-time industrial connectivity, as well as hardware-assisted support for synchronized industrial networks utilizing the IEEE 1588 Precision Time Protocol (PTP).
CC2520	2.4 GHz ZigBee®/IEEE 802.15.4 RF transceiver	Best-in-class coexistence and selectivity properties; excellent link budget (103dBm); extended temperature range; AES-128 security module	Reliable RF link with interference present; 400m line-of-sight range with the development kit; ideal for industrial applications; no external processor needed for secure communication
CC2540	2.4 GHz *Bluetooth*® low energy system-on-chip solution	Excellent link budget enabling long range applications without external frontend, receiver sensitivity, selectivity and blocking performance	Fast-to-market *Bluetooth*® low energy compliant solution
CC2570	2.4 GHz ANT™ network processor	Dual chip solution: CC257x ANT network processor + host MSP430™ MCU	Requiring only a fraction of the power consumption of traditional *Bluetooth*® technology, *Bluetooth*® low energy and ANT can enable target applications to operate on a coin cell for more than a year.
TPS72733	250mA, ultra low IQ, fast transient response, RF low-dropout linear regulator	Provides overall 2% accuracy over load, line, and temperature extremes	Ultra-low quiescent current LDO with excellent line and ultra-fast load transient performance designed for power-sensitive applications
Telehealth AM with Video Output			
AM3715	Sitara™ ARM Cortex-A8 microprocessor	POWERVR SGX™ graphics accelerator; compatible to OMAP™ 3 architecture	Designed to provide best in class ARM and Graphics performance while delivering low power consumption
DM3730	High performance digital media processor	High performance image, video, audio (IVA2.2™) accelerator subsystem; advanced very-long-instruction-word (VLIW) TMS320C64x+™ DSP core	Designed to provide best in class ARM and Graphics performance while delivering low power consumption
WL1271	Single chip Wi-Fi and *Bluetooth*® solution	Single-chip 802.11b/g/n WLAN and *Bluetooth*® solution using TI's digital radio processor technology using a single antenna.	Sophisticated low-power technology ideal for battery operated solutions; coexistence features enable simultaneous WLAN and *Bluetooth*® operations; supports ANT+ standard.
CC2530	2.4 GHz ZigBee® System-on-chip solution	Excellent RX sensitivity, low power, easy to use development tools	RF design System-on-Chip for quick time to market. Provides a robust and complete ZigBee USB dongle or firmware-upgradable network node
TPS65910	Integrated power management IC w/ 4 DC/DCs, 8 LDOs and RTC in 6x6mm QFN	This device provides eight LDOs that are fully controllable by the I2C interface and is designed to support the specific power requirements of OMAP™-based applications.	SmartReflex™ interface for optimum power savings

Continua™-Certified™ solution:
Learn more about TI's and Elbrys Networks' Continua™-Certified™ Wireless Aggregation Manager Platform for Telehealth.

- Order TI's AM37x EVM at: **www.ti.com/am37xevm**
- Order Elbrys' Secure Personal Sensor SDK at: **http://elbrys.com/products**

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