

Q&S TH16 Screen ECG equipped with eDevice M2M eHealth modules sends ECG & Holter recordings through wired and cellular networks.

Reggio Emilia, ITALY / Bordeaux, FRANCE - December 1st, 2009

Q&S S.P.A, an IT firm specialized in telemedicine and eHealth applications, today announced its partnership with eDevice to bring remote connectivity to its TH16 Screen ECG Telecardiology device. This Teleholter is able to perform standard ECG and Holter recordings, self detecting pathologic events and then to transmit the data to a server station via phone line or mobile connection using integrated eDevice M2M connectivity modules.

A major requirement for cardiologists is to prevent severe injury by monitoring patients not only during hospitalization but also when the patient is at home, under supervision of the family doctor. Moreover, the possibility to perform standard ECG at a patient's home or at the family doctor's clinic is needed to reduce the costs of hospitalizations and cardiologic rehabilitation procedures.

Q&S TH16 Screen ECG and its associated back-office interface are designed for family doctors. They can access the system through a simple Internet connection to add new patients, analyse ECG recordings, and remotely configure the ECG devices to acquire and store up to 20 standard ECG recordings or a 3 channel 24 hours Holter monitoring. Firmware on TH16 allows for self background analysis to identify and mark suspicious events to help the doctor in the diagnosis process.

eDevice interchangeable wired PSTN and Cellular GPRS modules make it possible for the healthcare provider to offer the TH16 benefits regardless of the network available at the patient's home. Data upload is made easy using eDevice's internal file transfer agent that allows complete transaction to be processed by issuing only one command sent over a serial port.

Although it is a light handheld device, TH16 is equipped with a six keys keyboard and a 240x320 display, making the device capable of performing sophisticated user interface features, such as checking the correctness of the electrodes positions before starting to acquire data, reviewing the acquired data, managing the internal ECG archive, allowing the patient to insert notes and the symptoms that he/she feels during the Holter monitoring, and driving the process patients and doctors use during transmission of ECG data.

"eDevice's embedded communication solutions are perfect for a smooth expansion of our business into portable medical devices for the telemedicine sector, enabling us to leverage our relationship with leading healthcare providers and medical companies by focusing on our core expertise and leaving communication expertise to eDevice's excellent team!" Lorenzo Muratori, Q&S General Manager Telemedicine.

"Such innovative Telecardiology systems are part of the solution for improving quality care of populations. In the future policy makers shall certainly take into consideration the financial benefits resulting from innovative eHealth solutions." said Marc Berrebi, eDevice's CEO

About the companies

Q&S S.P.A is based in Reggio Emilia, Italy. It was founded in 1996 to provide businesses and professionals with expertise in telecommunication and IT services. The goal of Q & S is to support companies to take advantage of the benefits and opportunities that are offered by modern information technologies and the Internet. Q & S helps its partners and customers to implement and manage innovation, maximizing their return on investment and increase efficiency. The strategic business areas of Q & S are closely related to each other: Telecommunications and Telemedicine

Since 2002, **eDevice** has been engineering and marketing complete solutions for M2M Internet connectivity that are designed to enable eHealth companies to focus on their core medical operations. Because of their reliability and cost-efficiency, eDevice technology has been used in millions of devices including tens of thousands of medical units. Its solutions can be used to let any type of electronic equipment communicate, while empowering designers of new products to easily include connectivity via the Internet and mobile networks.