

ELON-8000M 远程数据监控系统

一. GPRS 通信信息服务

GPRS是在现有GSM系统上发展出来的一种新的承载业务，目的是为GSM用户提供分组形式的数据业务。GPRS永远在线，按流量计费，从而提供了一种高效、低成本的无线分组数据业务。

GPRS是目前解决移动通信信息服务的一种较完美的业务，它是以数据流量计费、覆盖范围广泛、数据传输速度更快。GPRS的推出，为行业和企业用户开展无线办公提供了基础设施平台，为推动移动信息的应用和发展创造了有利条件。

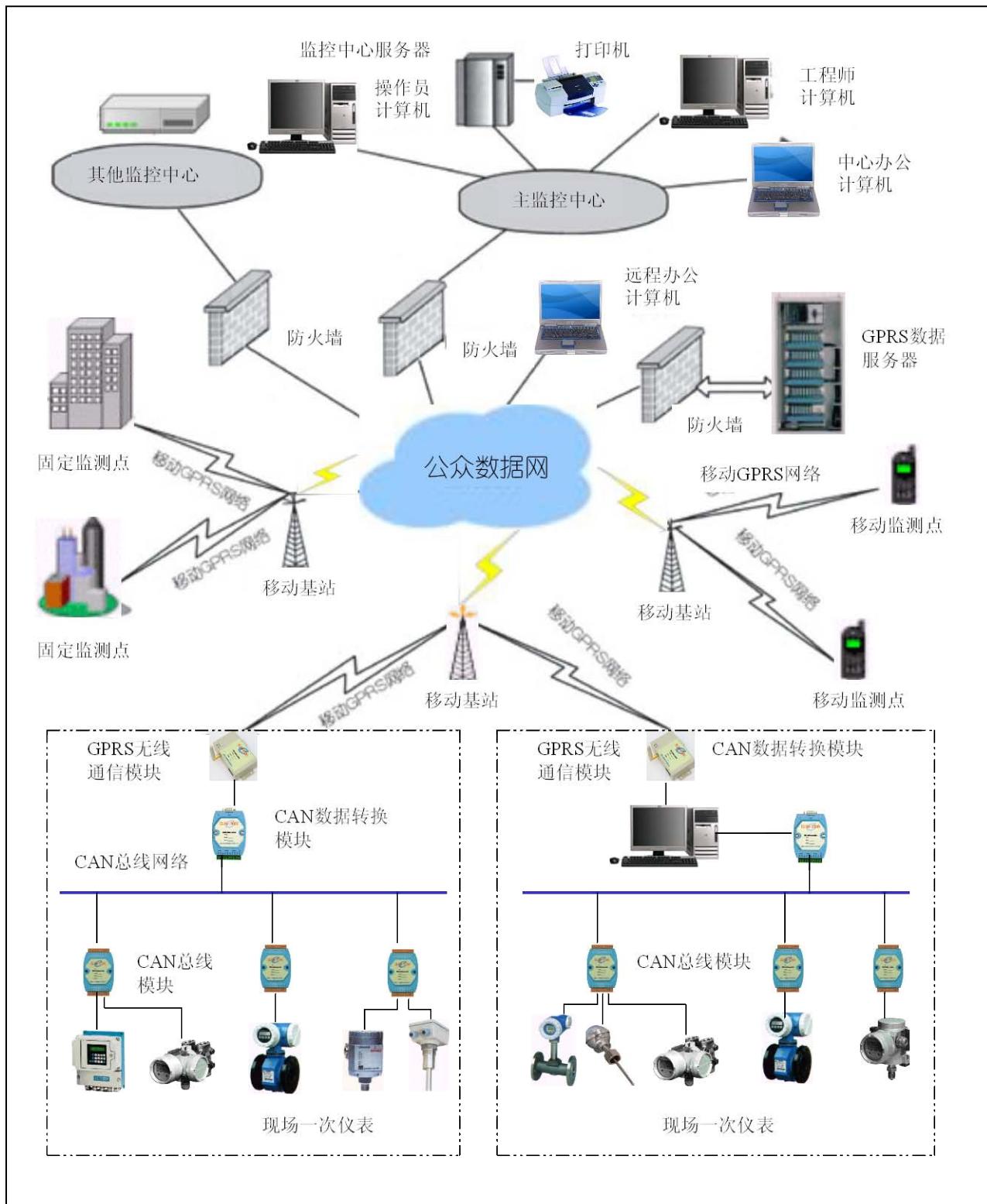
二. GPRS 数据远传通信的应用

随着科学技术的发展及工业自动化水平的提高，一种服务于现场数据采集以及数据远传通信的新技术展现在了眼前，那就是利用现代移动通信技术所开发的 GPRS 无线数传和现代计算机所组成的系统对冶金、化工、电站、石油、机械、交通、制药、玻璃、水泥、楼宇、粮仓、环保、天然气等行业的现场数据实现远距离监控与采集。

三. ELON-8000G 远程数据监控系统概述

ELON-8000G 远程数据监控系统是由重庆高新技术有限公司研制开发，用于远距实时检测的智能分布式现场总线测量系统。它能满足各行业数据采集过程的测量要求。它利用 GPRS 数据远传通信模块，实现本地与远程的数据无线通信连接。本地中心操作站通过组态软件即可对远程现场的实时检测数据进行集中显示和动态画面的监视，从而实现远程综合信息化管理。因此它是各行业进行远程现场数据采集及通讯、综合信息管理的优选产品。

四. ELON-8000G 远程数据监控系统的构成



ELON-8000G 远程数据监控系统结构示意图

ELON-8000G remote data monitoring system

1. GPRS communication information service

GPRS is a new bearer service developed on the existing GSM system, aiming to provide packetized data services for GSM users. GPRS is always online, billing by data flows, thus providing an efficient, low-cost wireless packet data services.

GPRS is currently a perfect way on mobile communication information service, it is billing by data flows , covering a wide range of data and transmission is faster. GPRS provide a platform for users to carry out wireless office work, and make promotion of mobile information applications and development .

2. The Application of Remote Data Communication in GPRS Data

With the development of science and technology and the improvement of industrial automation level, a new technology which to help field data collection and data remote communication is coming out . GPRS wireless data is developed by modern mobile communication technology ,together with modern computer ,the system can monitor and collect field data in the field like metallurgy, chemical industry, power station, petroleum, machinery, transportation, pharmaceutical, glass, cement, building, granary, environmental protection , natural gas, and so on .

3. Overview of ELON-8000G Remote Data Monitoring System

ELON-8000G remote data monitoring system is developed by Chongqing High-tech Co., Ltd. Used for remote real-time detection of intelligent distributed field bus measurement system. It can meet the needs of industry data acquisition process. It uses GPRS data remote communication module, to achieve local and remote data wireless communication connection. The local center operator station can monitor the real-time detection data of the remote scene and monitor the dynamic picture through the configuration software, thus realize the remote integrated information management. So it is the preferred products on remote field data collection , communication and integrated information management.

4. Configuration of ELON-8000G Remote Data Monitoring System

