

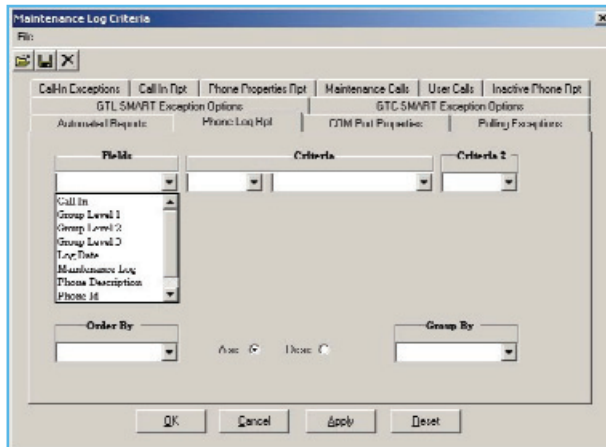
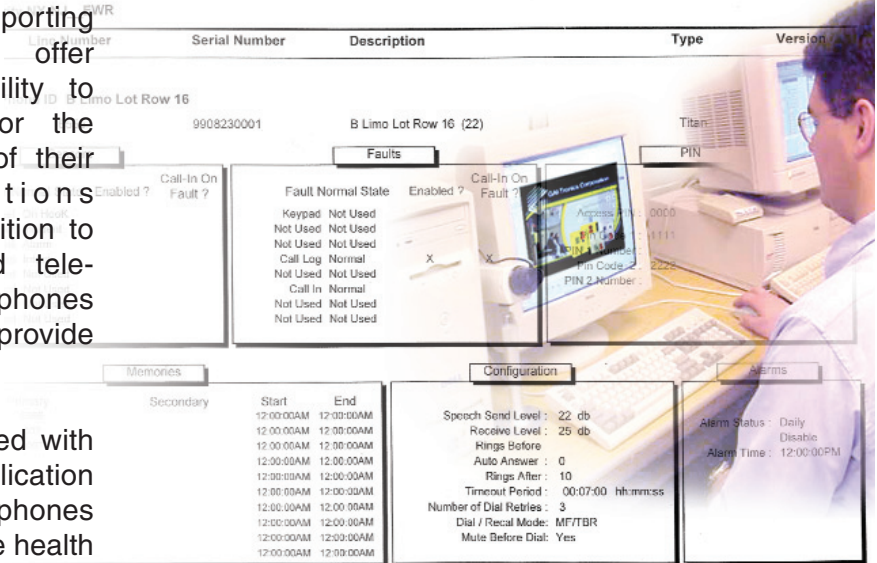
GAI-Tronics Self-Monitoring and Reporting Technology (S.M.A.R.T.) telephones offer

customers the ability to remotely monitor the health status of their communications system. In addition to

providing standard telephone operation, our S.M.A.R.T. telephones incorporate leading-edge technology to provide optimum performance and flexibility.

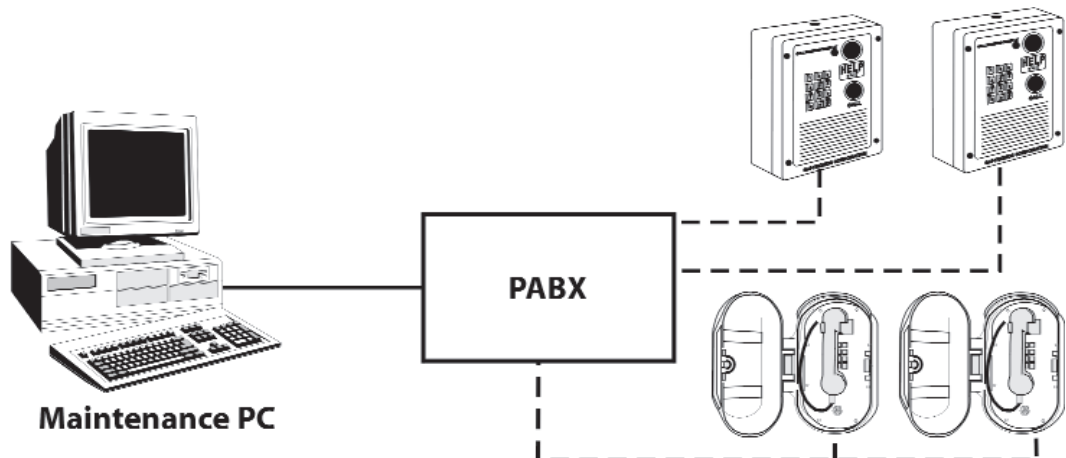
Interfacing to a central computer equipped with GAI-Tronics Telephone Management Application (T.M.A.) monitoring software, the telephones perform advanced self-testing to ensure the health and functionality of the communications system. Through self-testing the units detect and report faults so repairs can be made quickly; in addition, via the T.M.A. software, phones are polled on a regular basis for call reporting and other statistical information.

The S.M.A.R.T. telephones detect and report memory corruption; report line interruptions if some type of outage cuts off the telephone line or attempted removal of the unit, and reports damaged pushbuttons.



Above: Sample of Phone Property Report.  
 Left: T.M.A. Maintenance Criteria Log Set-up Screen.

**Typical System Diagram**



# S.M.A.R.T. Technology

## Telephone Management Application

T.M.A. is a Windows® XP/2000-based data collection and reporting package. The system supports up to eight modems simultaneously contacting and collecting health information from each S.M.A.R.T. telephone.

T.M.A. reduces the cost of maintenance while increasing the safety of the system by ensuring that phones are fully functional. T.M.A. allows the system manager to make remote programming changes to individual telephones, again saving time and money. These changes can be made without interfering with communications and without disrupting the polling schedule. With a wide range of customer configured report options, including on-line and automated reporting, the system is configurable to meet any customer requirements.

GAI-Tronics Self-Monitoring and Reporting Technology (S.M.A.R.T.) telephones and Telephone Management Application (T.M.A.) software working together offer customers a truly advanced and intelligent telephone monitoring system. As an ISO9001 Certified Company, we maintain the highest quality standards and are proud that our equipment is manufactured in the U.S.A.



Telephone Management Application (T.M.A.)

## S.M.A.R.T. Telephone Features

- Polls up to eight phones simultaneously
- Monitors for stuck buttons, line conditions (current levels), microprocessor self-test, and call-in progress interrupted
- Provides inactive phone reports
- Provides call usage reports (including time, date, and length of call)
- Provides exception reports
- Provides maintenance call reports
- Provides visual indicators (GUI) for health status of each phone
- Provides call-in report lists with call-in records
- Provides secured access to T.M.A. via key attached to the PC's USB port
- Offers remote telephone configuration
- Automatically compensates for poor line quality
- Red LED light flashes upon activation - steady when audio is detected.



**GAI-Tronics® - USA Toll Free: 1 (800) 492-1212 Tel: (610) 777-1374 Fax: (610) 796-5954 [www.gai-tronics.com](http://www.gai-tronics.com)**

GAI-Tronics® Limited, UK Tel: +44 (0)1283 500500 Fax: +44 (0)1283 500400 [www.gai-tronics.co.uk](http://www.gai-tronics.co.uk)  
GAI-Tronics® S.r.l., Italy Tel: +39 02 48601 460 Fax: +39 02 4585 625 [www.gai-tronics.it](http://www.gai-tronics.it)  
GAI-Tronics® - Malaysia Tel: +60-3-8945-4035 / 8945-7348 Fax: +60-3-8945-4675 [www.gai-tronics.com](http://www.gai-tronics.com)  
Austdac - GAI-Tronics® - Australia Tel: 011-61-28-851-5000 Fax: 011-61-29-899-2490 [www.austdac.com.au](http://www.austdac.com.au)

Quality Management Systems Certified - ISO9001:2000

The policy of GAI-Tronics is one of continuous improvement; therefore the company reserves the right to change specifications without notice.

Pub. 070302