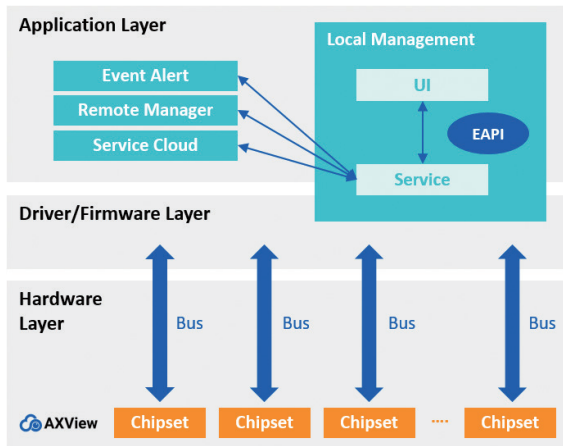


AXView 2.0

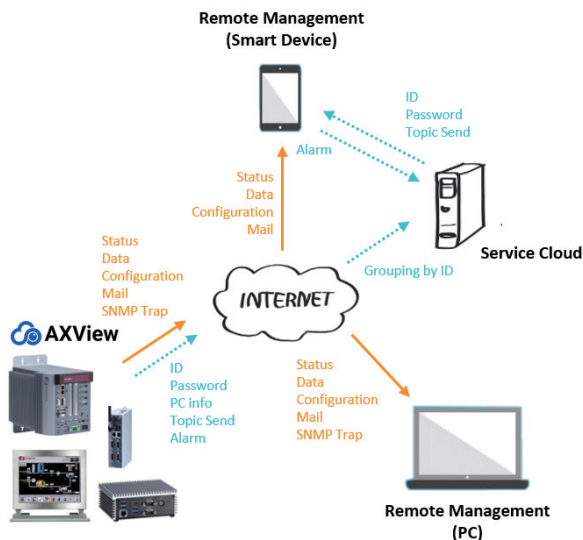
IIoT Remote Management Solution

Introduction

AXView 2.0 is a highly integrated software management system that provides an entire suite of remote management architecture and an easy-to-use application programming interface.



Intelligent AXView 2.0 suite is designed to meet the needs of applications for IoT/M2M. Ranging from physical layer connectivity, communication layer protocol, middleware API, high level software for remote management, store Apps and service cloud are covered.



Local Hardware Monitoring and Agent

Agent monitors local hardware behaviors, triggers event alerts when abnormalities happen and shares machine information with remote management systems and the service cloud.

Remote Management

AXView 2.0 provides remote management system support functions for DISCOVER, SNMP and Modbus, which helps administrators to locate, identify and manage machines with standard protocols on its network.

Service Cloud

Service Cloud is designed to store, forward and review machine data for behavior analysis.

Embedded Application Programming Interface (EAPI)

AXView 2.0 supports EAPI compliance with PICMG EAPI standards and extends its features to support access to special system information, hardware health status, system behavior and unique system designs.

Features

- Monitoring: Monitor the health status of system
- Notification: Trigger alert when system fails in some monitored item
- Remote diagnosis: By screen capturing
- System recovery when system crashes by virus or malware attacks
- Connectivity: Exchange data locally/remotely, wired/wireless, multi-protocol
- Cloud Service: Data storing, forwarding, analyzing
- EAPI to ease integrating into custom application software

Core System

Manageability	<p>Monitoring: Device monitoring for CPU voltage, temperature, Digital I/O, fan speed, HDD status, power consumption System monitoring via digital input (DI)</p> <p>Alarm: Alert by email/SNMP trap (e.g. USB device, LAN drop) Hardware event log</p> <p>Remote Management: Remote management by SNMP Special-purpose backup in flash Inventory management (device H/W, S/W resource) Diagnosis by screen capturing Green control to peripheral devices System recovery App (smart phone) remote management</p>
Connectivity	<p>Communication interface supporting RS-232/485, Wi-Fi, 3G. Protocol support - SNMP, Modbus TCP, SMTP, MQTT. Application framework - EAPI</p>
Security	<p>Watchdog timer to ensure normal operation Operating per user ID authentication Remote system recovery Critical data backup</p>
Cloud Service	<p>Device grouping Public/Private cloud MQTT for data exchange between PC and smart phone</p>
EAPI (Embedded API)	<p>Windows® library of API supporting CPU voltage, temperature, WDT, I²C/SMBus, GPIO, fan speed</p>
System Requirement	<p>OS: Windows® 7 (or later) for Agent, Service Cloud and Remote Manager on PC Android for Remote Manager on smart phone, Pad</p> <p>CPU: Intel® Atom™ E3815 or above for Agent on device Intel® Atom™ E3815 or above for Remote Manager on PC</p> <p>Storage: 16GB for Agent on device 16GB for Remote Manager on PC 2GB for Remote Manager on Android phone/Pad</p> <p>Memory: 4GB for Agent on device 8GB for Remote Manager on PC</p>