Leading Provider of Application-Specific Semiconductors and Embedded Systems for the IoT Era

Our customers embed our innovative technologies into their solutions to enable seamless access to data and control of things in the connected world.
A Full Stack of IoT Solutions

4つの市場にフォーカス。インダストリアルにはエッジ部分からSWまでサポート

Edge Gateways and Software Stacks
Transceivers, Controllers
Comm. Modules
Mixed Signal ASICs
Data-Converters
Application Specific
Non-Volatile Memory
Tier-1 End Customers Across Different Verticals
各市場における主要顧客例（公開可能な顧客名のみ記載）

INDUSTRIAL

CONSUMER

COMMUNICATION

MEDICAL

5,000+ Customers
Adesto’s Worldwide Presence
アデスト・サポート体制と販売代理店。日本は、緑屋電気様とアブネット・ジャパン様。

Global Franchised Distribution
• Arrow
• Avnet (Incl. EBV)
• DigiKey
• Future Electronics
• Mouser Electronics
• More regional distributors

CORPORATE HEADQUARTERS
SALES & MARKETING OFFICES
Engineering Centers
### Adesto’s Memory Business Focus by Market

<table>
<thead>
<tr>
<th>SEGMENT</th>
<th>PRIMARY APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial</td>
<td>Smart Meters, Electric/Gas/Water IIoT &amp; Automation</td>
</tr>
<tr>
<td>Consumer</td>
<td>Wearables &amp; Hearables, RF Remote Controls, Far Field Voice Recognition, Bluetooth &amp; Wireless</td>
</tr>
<tr>
<td>Comm. Medical</td>
<td>Bluetooth &amp; Wireless, Connected Medical Devices, Code Storage</td>
</tr>
</tbody>
</table>
Adesto’s ASIC Mission
アデストのASIC製品：ボートのICすべてを1チップ化し、80%コストダウン

Solving Complex System Level Integrations for Mission Critical Applications

- System level cost
- Performance
- Power
<table>
<thead>
<tr>
<th>SEGMENT</th>
<th>PRIMARY APPLICATIONS</th>
</tr>
</thead>
</table>
| Industrial | Flow Control  
Power Drives & Control  
Genetic Sequencing |
| Consumer | Augmented Reality  
Innovative Sensing |
| Comm. | Satellite Modems (Terminals/Handsets)  
Broadband Communications  
Video Conferencing |
Embedded Systems Solutions
（旧エシェロン・グループ）
Unleash Today’s Industrial Data and Bridge to Future Services

**EMBRACE**
30+ years of experience in open and interoperable industrial systems

**EXTEND**
150M+ nodes installed

**ENHANCE**
Uniquely Positioned to Bridge the IT → OT → Cloud Gap
Embedded Systems Products

Open Multi-Application Embedded Platform for Industrial IoT

MANAGEMENT TIER
Platform software and APIs for managing devices and creating automation and IoT applications

EDGE SERVER TIER
Connectivity solutions for network management and edge computing

EDGE DEVICE TIER
Embedded SoCs for industrial device communications and intelligence
Embedded Solutions Customers
お客様の一例と、フィードバック例

SELECT CUSTOMERS

CUSTOMER TESTIMONIALS

“Compatibility and interoperability to allow devices... to communicate easily and robustly is unparalleled.”
– R&D Manager, Major Provider of Building Automation Technologies

“Usability and robustness are superior.”
– VP R&D, Leading Energy Management and Automation Company

“...Fantastic network solution... Nothing compares to LON network performance.”
– Systems Engineering Manager, Leading Provider of Lighting Solutions
Strength through Partnerships
協業の新しい形。IBM：クラウド上でデータ分析。アデストはSmartServer IoT提供

Demonstrating Predictive Analytics for Smart Buildings with IBM

“Adesto’s SmartServer IoT provides the critical connection from industrial data to our platform so that customers can perform powerful analytics on their data. We are delighted to work with Adesto to demonstrate our combined capabilities, and we look forward to making the solution available to customers in the buildings sector.”

- SANJAY TRIPATHI, VP OF STRATEGY AND BUSINESS DEVELOPMENT, IBM IOT
Smart Server IoT Overview

 kratud ketsuto sozuaru API, maruchiproto��coridO/O sahyo kane

ARCHITECTURE

PLATFORM

FUNCTIONS

MODULS

Smart Server IoT

Multi input-output

Free Topology

Twisted pair

Secure IoT messaging to cloud service

Built in industrial field protocol support

Edge device and data management services

Extensible device management software

Network and connection management

Open APIs for controls and web apps

Compatibility with open installation tools

Open interface for IoT devices and protocols
Predictive Building Energy Management
IBMソリューションデモ例：エネルギー消費分析、温度分布の可視化
Embedded Central Management System

Device Provisioning and Management

Data Logging and Retrieving

Scheduling & Energy Management

Monitoring and Alarms

Datapoint Connections

Customizable Reports

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FT Smart Transceiver Evolution

FTチップロードマップ: 継続的供給、上位コンパチ、今後の新製品にはユーザーの意見を反映

3000 Series (introduced 2002)
First generation FT smart transceiver

5000 Series Smart Transceiver (introduced 2009)
Higher clock speed
Smaller footprint
Cost reductions
Support for serial flash
64K RAM

6000 Series Smart Transceiver (current generation)
Multi protocol applications
Larger application space
Multi protocol support – LON, LON IP, BACnet IP, BACnet MSTP

7000 Series Smart Transceiver (Under Consideration)
Collecting Customer Input
Future IoT Applications
FT6050 combines BACnet and LON over FT

BACnetとLON両方を実行できるFT6050

- Multi protocol on FT media
  Interfaces for LON, LON IP, BACnet IP and BACnet MSTP

- All BACnet functionality supported

- Large applications
  BACnet or LON application on external host support

- Lowest cost of installation and ownership
Adesto Addresses the Unique Challenges of IoT

- Key Technologies and Expertise to Address Technical Challenges
- Relationships with Customers to Understand Challenges
- Uniquely Focused on IoT
- Open, Value-Added Solutions Edge to Gateways to Cloud
Thank you