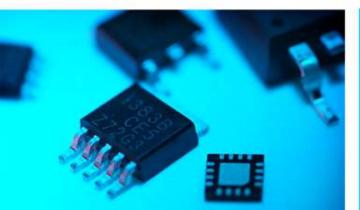


AIC Solutions for IoT Module



- Market Status & Trend
- Market Forecast

aic

- Supply Chain (Core chip, IDH, Key player)
- New Product Feature
- Application Power Block
- Power Solutions
- Product Roadmap
- Promotion Strategy



Market Status & Trend

• Market Forecast

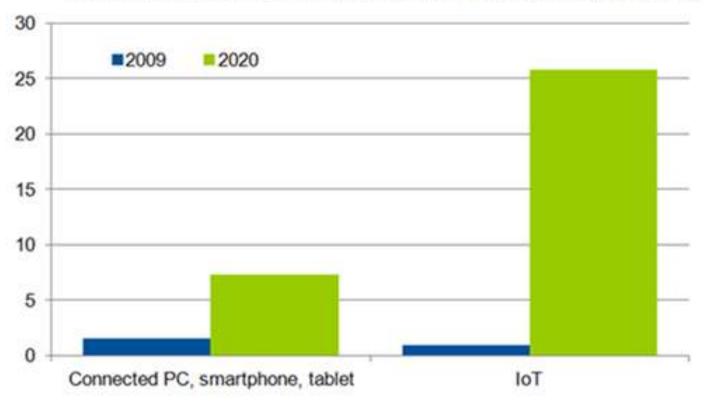
aic

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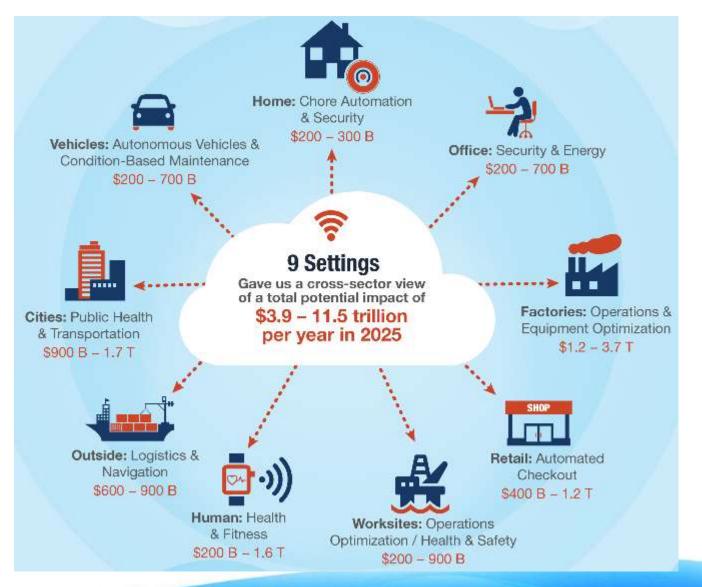
aic

Total of Connected Devices, Billions of Units (Installed Base)



Market Status & Trend

aic







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The Most Active IoT Investors

VCs Ranked by Unique IoT Investments, 2010 - 2015 YTD (11/24/15)

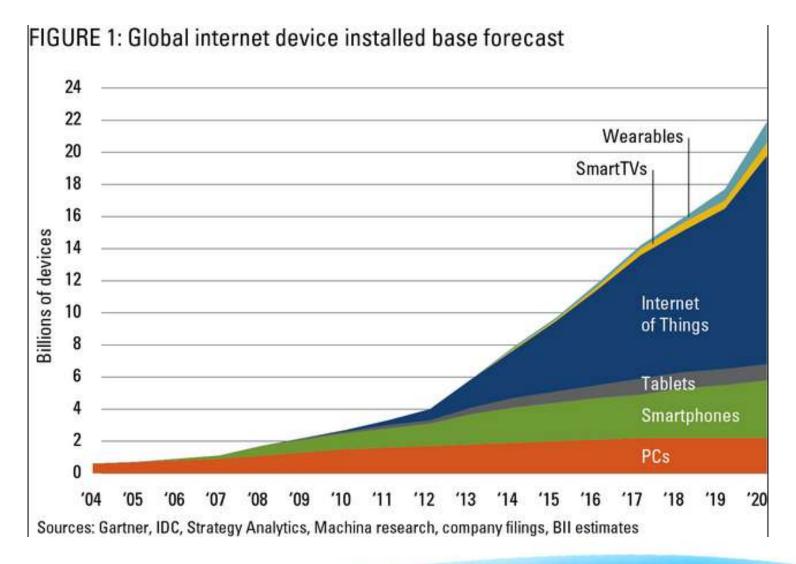
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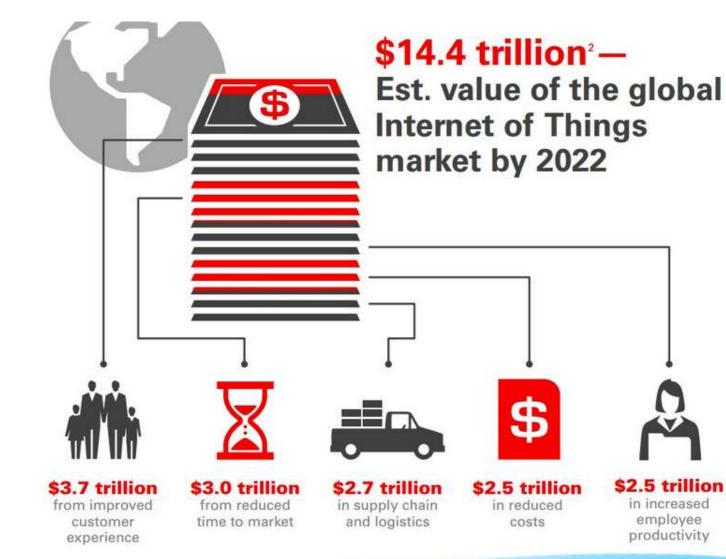


Market Forecast





Market Forecast





- Market Status & Trend
- Market Forecast
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Supply Chain





- Market Status & Trend
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Part Number	AIC2253	AIC2256	AIC2259	AIC2258	AIC2262
Vin(Min)(V)	2.5	2.5	2.5	2.5	2.5
Vin(Max)(V)	6	6	6	6	6
Iout(Max)(A)	1	1	1	1	2
Switching Frequency(Min)(kHz)	1500	3000	1500	1500	1500
Switching Frequency(Max)(kHz)	1500	3000	1500	1500	1500
Iq(Typ)(uA)	8	17	17	17	17
Control Mode	AOT	AOT	AOT	AOT	AOT
Operating Temperature Range(C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85
Process	W/B	W/B	W/B	F/C	F/C
Package	TSOT-23-8	TSOT-23-8	TSOT-23-8	TSOT-23-8	DFN-8
Lenage	1001-20-0	1001-25-0	1001-25-0	1501-250	TSOT-23-8
Remark	P2P MP2159	P2P MP2159	P2P MP2159		参 閲 MP2162
	Sampling in Nov. 16	121 111 2133	Sampling now		Sampling now
Outline	EN FBAGNDOUT 8 7 6 5 1 2 3 4 PG VIN LX PGND	EN FBAGNDOUT 8 7 6 5 	EN FBAGNDOUT 8 7 6 5 1 2 3 4 PG VIN LX PGND	EN FBAGNDOUT 8 7 6 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

• AOT

aic

<u>A</u>daptive <u>On</u> <u>T</u>ime control that provides a fast transient response without external compensation component.

• Sync.

The device features an internal synchronous rectifier for high efficiency, it requires no external Schottky diode.

Small Package

TSOT-23-8



aic

Part Number	AIC2259	AIC2256	AIC2253	MP2159		
Vin(Min)(V)	2.5	2.5	2.5	2.5		
Vin(Max)(V)	6	6	6	6		
Iout(Max)(A)	1	1	1	1		
Switching Frequency(Min)(kHz)	1500	3000	1500	1500		
Switching Frequency(Max)(kHz)	1500	3000	1500	1500		
Iq(Typ)(uA)	17	17	* 8	17		
Control Mode	AOT	AOT	AOT	COT		
Operating Temperature Range(C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85		
Package	TSOT-23-8	TSOT-23-8	TSOT-23-8	TSOT-23-8		
Remark	P2P with MP2159 Sampling now	P2P with MP2159	P2P with MP2159 Sampling now			
Outline	EN FB AGND OUT 8 7 6 5 1 1 1 1 1 1 2 3 4 PG VIN LX PGND	EN FB AGND OUT 8 7 6 5 1 2 3 4 PG VIN LX PGND	EN FB AGND OUT 8 7 6 5 1 1 2 3 4 PG VIN LX PGND	PG 1 8 EN VIN 2 7 FB SW 3 8 AGND PGND 4 5 OUT		

(I) aic



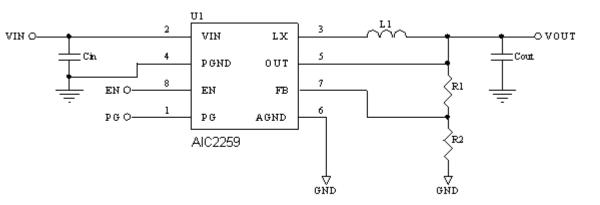


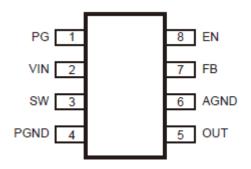




Typical application circuit

PIN configuration





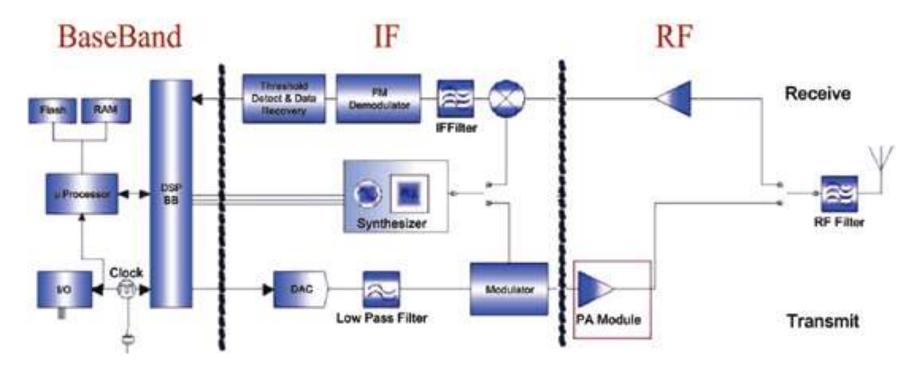


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(T) aic

IoT RF Module



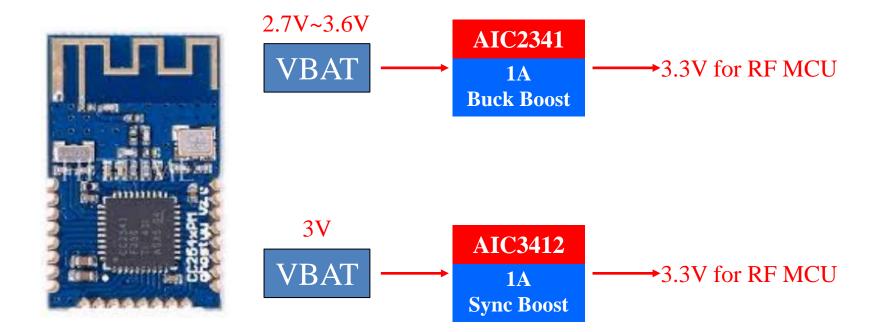


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Power Solutions

IoT Module





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Promotion Strategy

- **AOT**
- Competitive Performance
 - High Efficiency
 - Low Ripple
 - Low Quiescent Current
- Competitive Pricing
- P2P with main stream product





