

ATD Electronique

Your Partner in Imaging Solutions



ISP for CCD / CMOS
DVR Product
SOC H264

TAMRON

Optical Components
&
Modules



Document Imaging
Solutions



CMOS Sensors
InGaAs Sensors



Image Processors
eWARP™ & ISP



Image Processing
Solutions &
Design Services



Micro Coax
Connectors



Optical Modules
Liquid Lens for AF
& OIS

SONY

CCD Sensors
CMOS Sensors
OLED / M-OLED
DSP



USBXX
Embedded Video
Solutions



sCMOS Sensors
(Focal Plane Arrays)



Wi-Fi Chips,
Modules & Solutions



sCMOS Sensors
(Focal Plane Array,
Linear & Miniaturized)



CCD Sensors
(Focal Plane Arrays)
& Linear)
InGaAs Sensors



Solutions for
Payment Terminals
Secure ICs

ATD Electronique represents and distributes innovative electronic component brands and offers engineering services for machine vision and imaging applications.

Our portfolio includes image sensors, controller & interface ICs, ISPs as well as development tools and engineering services enabling fast and efficient realization of new high performance camera systems for markets such as automotive, medical, security and machine vision.

Based on our distributed CCD/CMOS image sensors, Imaging processing IP, innovative Optics, Controller & Interface ICs, ATD Electronique has been offering outstanding Imaging solutions for more than 20 years through its European Network.

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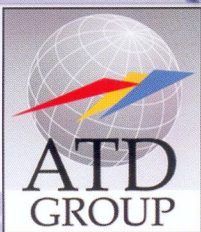
Fax: +34 916 56 80 40

IMAGE SENSORS

OPTICS

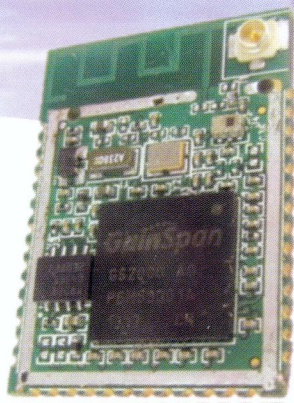
CONTROLLER ICs

INTERFACE ICs



GAINSPAN Wi-Fi SOLUTIONS

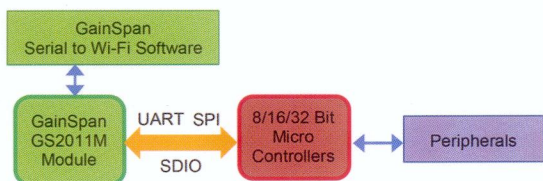
Ultra low-power, Ultra fast Connectivity



Ultra-low Power Performance
Wireless connectivity solutions
End-to-end solutions for fast time to market

Connect "Things" to the Internet - Connect People to "Things".

GainSpan designs and markets Wi-Fi chips, modules and solutions to connect traditionally non-connected devices to smartphones or the Internet.



The GS2011M module provides a quick, easy and cost effective way for device and appliance manufacturers to add Wi-Fi connectivity to their products. The module provides a high speed serial interface connection to an embedded design built on an 8/16/32-bit microcontroller, achieving up to 40Mbps throughput over an SDIO interface.

Wi-Fi is emerging as the primary way devices gain Internet connectivity and is allowing new product opportunities to become reality. By making it easy and low cost to integrate Wi-Fi into systems, GainSpan is making possible a world of new applications.

GS2011M FEATURES

- IEEE 802.11 b/g/n connectivity with PHY rates up to 72 Mbps
- Limited AP, Wi-Fi Direct with concurrent mode, WPS 2.0
- UART, SPI, SDIO interface to microcontroller
- Interface clock rate: 40 MHz on SDIO, 30 MHz on SPI (master), 10 MHz on SPI (slave) , and 921kbps on UART
- Extensive networking stack and services
- Security: 802.11i, WPA/2-Personal and Enterprise, legacy WEP, TLS
- Power source (3.3 V main supply, 3.3 V I/O, 1.6 V to 3.6 V Battery)
- Certification: FCC, IC, ETSI, TELEC, Wi-Fi
- I/O interfaces : SPI, UART, SDIO, I2C, I2S, GPIO, AD

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For further information, please visit:
www.atdelectronique.com/our-offer/gainspan

