

## Profile of Taiwan High-Tech Companies

### Business Demand

No	COMPANY NAME	DEMAND FOR MATCHING
1	<b>ANDES Technology</b>	Look for partners in ADAS VEDR, telehealth, smart home, wireless charging, AI application, video recognition, drone.
2	<b>DAVICOM Semiconductor</b>	Look for partners in smart tag, intelligent POS system in super market.
3	<b>Etron Technology</b>	Look for partners in 3D panoramic image system applied for auto drive, face recognition and drone, as well as the integration between USB3.0 and USB Type-C.
4	<b>J-MEX</b>	Look for partners in sensing gloves, sensing ring, sensing clothes and shoes. Otherwise, J-MEX creates application in fitness tracking and body movement.
5	<b>Faraday Technology</b>	Look for partners in in the application of autopilot, 360 panorama, and large display system.
6	<b>ProMOS Technology</b>	Look for partners in in customized wireless module, Bluetooth module, GPS module, Sub-GHz module, BLE+wifi module and application of sport center.
7	<b>Eminent Electronic Technology</b>	Look for partners in 3D facial recognition, the application combined with AR/VR and gesture recognition, color sensors and smart home application.
8	<b>Ambarella, Inc.</b>	Look for partners in HD and Ultra-HD intelligent cameras, advanced driver assistance systems (ADAS), and fully autonomous vehicles.
9	<b>Generalplus Technology Inc.</b>	Look for partners in communication device, remote controller, interactive toy, electronic-pet, wearable devices, dashboard camcorder, drone camcorder, wireless charger, calculator, kids learning aid, touch-control appliance, motor bike, and many others.
10	<b>Asuka Autotronics Inc.</b>	Look for partners in in-car application including DVB-T, DVB-T2,CMMB/DTMB, ISDB-T, DAB+, Film Antennas and driving recorder.

### Company Profile

## 1. ANDES Technology

Description	Andes develops 32/64 bit processors and SoC platform for embedded system.
Core Technology	AndesCores range from highly performance-efficient small-footprint cores for microcontrollers and deeply-embedded applications to 1GHz+ cores running Linux, covering general-purpose N-series cores for a wide range of computing need, DSP-capable D-series cores for digital signal control, instruction-extensible E-series cores for application-specific acceleration, and secure S-series cores for best protection of the most valuable.
Looking for Partners	Those are interesting in ADAS VEDR, telehealth, smart home, wireless charging, AI application, video recognition, drone. Andes can provide IC and solution technology for them.
Website	<a href="https://www.andestech.com/index.php">https://www.andestech.com/index.php</a>
Remark	<p>The diagram illustrates the Andes Embedded ecosystem. At the center is a blue sphere labeled "Andes Embedded™". Surrounding it are five main components, each with a blue arrow pointing towards the center:</p> <ul style="list-style-type: none"> <li><b>Processor Architecture AndeStar™:</b> Located at the top, it includes a code snippet: <pre> asmv .acdm \$r1, [\$sp], \$r5, 0x0 asmv .acdm \$sp, [\$sp], \$sp, 0x2 addi \$sp, \$sp, -8 movh1 \$r1, 0x508 lwi \$r1, [\$r1+0x98] movv55 \$r2, \$r0 movv55 \$r0, \$r1 lwi \$r1, [\$r1+0x8] addi \$r3, \$sp, 12 </pre> </li> <li><b>Processor Cores AndeCore™:</b> Located on the left, it shows a block diagram of an "AndeCore uCore" with components like "Memory &amp; VIC", "EDM", "COP Inst", "MMU/NPU", "DTR", "Inst Cache", "Inst LM Inst", "Data LM Inst", "Data Cache", "DMA Engine", and "Bus Interface Unit".</li> <li><b>Development Tools AndeSight™:</b> Located on the right, it shows a screenshot of a software development environment.</li> <li><b>Software Stacks AndeSoft™:</b> Located at the bottom right, it shows a screenshot of a software stack configuration tool.</li> <li><b>Development Platforms AndeShape™:</b> Located at the bottom left, it shows a photograph of a green printed circuit board (PCB).</li> </ul>

## 2. DAVICOM Semiconductor


Description	DAVICOM produces communication and network IC, as well as the chipset in LAN, WAN, PC and internet.
Core Technology	DAVICOM has already developed over 20 digital & analog products and applied for Several IPs, and has successfully become one of the leading IC design houses in Taiwan.
Looking for Partners	Those are interesting in smart tag, intelligent POS system in super market. DAVICOM can provide total solution for them.
Website	<a href="http://www.davicom.com.tw/index.php?lang_id=en">http://www.davicom.com.tw/index.php?lang_id=en</a>

Remark			
			
			

### 3. Etron Technology

Description	Etron offers cutting-edge Known-Good-Die-Memory (KGDM) and Consumer Electronic DRAM (CEDRAM)
Core Technology	Etron's premium quality integrated circuits are widely used in various emerging applications, such as storage device, display, handset, PDA, and multimedia device.
Looking for Partners	Those are interesting in 3D panoramic image system applied for auto drive, face recognition and drone, as well as the integration between USB3.0 and USB Type-C.
Website	<a href="https://www.etrone.com.tw">https://www.etrone.com.tw</a>
Remark	AR/VR 360° Video Conference, AR 360° Find the Road, 3D Depth-Map for Computer's Visual Sub-System. <a href="https://www.youtube.com/watch?time_continue=5&amp;v=l2bWql4m8pU">https://www.youtube.com/watch?time_continue=5&amp;v=l2bWql4m8pU</a>
Potential Matching List in Wearable Technology Show	<ol style="list-style-type: none"> <li>1. IBIONICS</li> <li>2. TUV SUD</li> <li>3. Multos</li> <li>4. Roundconcept</li> </ol>

### 4. J-MEX

Description	J-MEX focuses on developing patent sensing algorithms and related motion sensing technology.
Core Technology	J-MEX has key technology in velocity sensing, dimensional and gesture sensing, motion sensing, and Angle sensing.
Looking for Partners	Those are interesting in sensing gloves, sensing ring, sensing clothes and shoes. Otherwise, J-MEX creates application in fitness tracking and body movement.
Website	<a href="https://jmex.com.tw">https://jmex.com.tw</a>
Remark	 <p>Auto Sensing Rear Light</p>  <p>3 Axis/6 Axis /multi-axis solution</p>

## 5. Faraday Technology

Description	Faraday Technology Corporation is a leading fabless ASIC / SoC and silicon IP (intellectual property) provider, ranking in top 50 fabless IC suppliers in the world and top 10 in Taiwan.
Core Technology	Faraday is one of the few leading ASIC / SoC vendors with a comprehensive self-developed IP portfolio. Faraday's flexible and robust service and solution platform can be customized to fit

	customers' unique business needs.
Looking for Partners	Those are interesting in the application of autopilot, 360 panorama , and large display system. Faraday can provide total solution for customers.
Website	<a href="http://www.faraday-tech.com/index.jsp">http://www.faraday-tech.com/index.jsp</a>
Remark	<p>The diagram illustrates the service offerings of Faraday Tech, categorized into Design Services and Production Services. Design Services includes Architecture Specification, Behavior Modeling, RTL Code Generation, Logic Design, Synthesis, Gate Level Verification, Test Generation, and Layout and Sign Off. Production Services includes Mask Tooling, Wafer Manufacturing Services, IC Packaging Services, Circuit Probing and Final Testing, and Product Engineering.</p>

## 6. ProMOS Technology




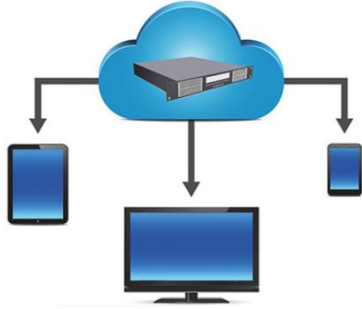
Description	ProMOS has experience in high level Information System Integration, and is capable of Design / Management / Service total solutions. Their solutions include customized Memory Products, high quality Industry 4.0, IoT, and System Integration Services.
Core Technology	ProMOS has a fab plant-level high-end ICT integration technology and experience with sophisticated design, manufacturing, management and solutions capabilities.
Looking for Partners	Those are interesting in customized wireless module, Bluetooth module, GPS module, Sub-GHz module, BLE+wifi module and application of sport center. They can collaborate with partners in Memory products design, manufacturing, field application, assembly engineering and quality assurance.
Website	<a href="http://www.promos.com.tw/promosite/site/index.php">http://www.promos.com.tw/promosite/site/index.php</a>

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### 7. Eminent Electronic Technology

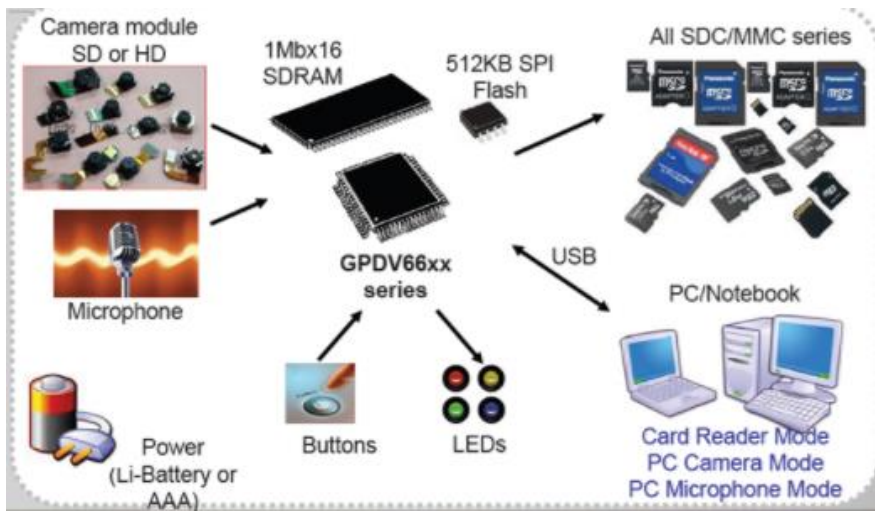
Description	Eminent Electronic Technology Corporation is a sensor technology provider in smart phones, tablet PC, notebook PC, TV, and smart homes. Their sensor technology enhance human device interaction in mobile applications, and to enable IOT sensor networks.
Core Technology	Eminent focuses on the manufacturing and customized design of ambient light sensor, proximity sensor, heart rate monitor sensor, and gesture sensor.
Looking for Partners	Those are interesting in 3D facial recognition, the application combined with AR/VR and gesture recognition, color sensors and smart home application.
Website	<a href="http://www.eminent-tek.com/index.aspx?shop=eminent&amp;t=main">http://www.eminent-tek.com/index.aspx?shop=eminent&amp;t=main</a>
Remark	

### 8. Ambarella, Inc.

Description	Ambarella is a leading developer of low-power, high-definition (HD) and Ultra HD video compression, image processing, and computer vision solutions. Their products are used in a variety of IP security, sports, wearable, drone, and automotive video cameras.
Core Technology	The CVflow™ architecture, owned by Ambarella, is based on a deep understanding of core computer vision algorithms. Compared with general-purpose CPUs and GPUs, CVflow™ uses a fundamentally different approach that includes a flexible CV hardware engine programmed with a high-level algorithm description.
Looking for Partners	Those are interesting in HD and Ultra-HD intelligent cameras, advanced driver assistance systems (ADAS), and fully autonomous vehicles. Ambarella provides high-resolution, low-power video solution for human vision and computer vision applications.
Website	<a href="https://www.ambarella.com/">https://www.ambarella.com/</a>
Remark	   

#### 9. Generalplus Technology Inc.

Description	Generalplus Technology is the major integrated circuit providers worldwide, specializing in voice IC and multi-media product solutions. Our microprocessor architectures are capable of being adopted in many application fields, including graphical multimedia, speech, smart educational toy, and industrial-controlled MCU.
Core	Generalplus strengthen the test and verification phases with the

Technology	high-end workstation, programmable logic component, and hardware simulator. They are capable in high-level design logic synthesis, circuit simulation & testing, and Automatic Placement & Routing (APR).
Looking for Partners	Those are interesting in communication device, remote controller, interactive toy, electronic-pet, wearable devices, dashboard camcorder, drone camcorder, wireless charger, calculator, kids learning aid, touch-control appliance, motor bike, and many others. Generalplus offers the most complete and competitive SoC solutions to its partners.
Website	<a href="http://www.generalplus.com/">http://www.generalplus.com/</a>
Remark	 <p>The diagram illustrates the GPDV66xx series SoC ecosystem. At the center is the GPDV66xx series SoC. It is connected to various components: Camera module (SD or HD), 1Mb x 16 SDRAM, 512KB SPI Flash, All SDC/MMC series (various memory cards), Microphone, Power (Li-Battery or AAA), Buttons, LEDs, and PC/Notebook. The PC/Notebook section lists modes: Card Reader Mode, PC Camera Mode, and PC Microphone Mode. A USB connection is also shown between the SoC and the PC/Notebook.</p>

#### 10. Asuka Autotronics Inc.

Description	<p>Asuka Autotronics focuses on the design, manufacturing, and marketing of state-of-the-arts Car TV and In-car infotainment parts for automotive use.</p> <ul style="list-style-type: none"> <li>- Car TV receivers that can support 120Km/hr mobile reception for terrestrial and satellite broadcasting services,</li> <li>- OE-grade driving recorders with WiFi/4G Internet access,</li> <li>- High-performance integrated TV/Radio antennas, and</li> <li>- Cost-efficient 24GHz radar detectors for various ADAS applications.</li> </ul>
Core Technology	Asuka Autotronics specialize in the market of car TV and head unit with high-resolution, high-sensitivity and enhanced mobile reception.
Looking for Partners	Those are interesting in in-car application including DVB-T, DVB-T2, CMMB/DTMB, ISDB-T, DAB+, Film Antennas and driving



	recorder. Asuka provides customized design and manufacturing.
Website	<a href="http://www.asuka-mobile-tv.com/">http://www.asuka-mobile-tv.com/</a>
Remark	 <p>The advertisement is divided into three main sections:</p> <ul style="list-style-type: none"> <li><b>Car TV Receiver for Worldwide Digital TV Services:</b> Features a world map with color-coded regions. Below the map are logos for ATSC, ISDB-T, DTMB, DVB-T, and DVB-T2. To the right, five receiver models are shown: HR-630 (DVB-T/DVB-T2), HR-560 (DVB-T2/H.265/HEVC), HR-560CN (DTMB/国标), Toucan (SBTVD/ISDB-T), and HY-60 (iDio).</li> <li><b>The Only OEM-Compliant Driving Recorder:</b> Shows two models, BK-200W and BJ-301FHD, installed in a car. Text highlights compliance with ISO-7637 and ISO-16750-2~4. A list of features includes: 16KV ESD, Extremely Low EMI, 87V Load Dump Surge, -40°C ~ 75°C Operating, and 6G 3-axis Vibration Test.</li> <li><b>Fashion Technology with Human Touch:</b> Shows a woman driving a car. Below the image are four product categories: IN-DASH NAVI AV 2DIN, CAR TV/DAB RECEIVERS, OE-GRADE DRIVE RECORDER, and MIRRORING BOX.</li> </ul>