

Semiconductor Industry Ranking

2017 Worldwide Semiconductor Leaders

| 2017 Ranking | Company | Category | 2016 Revenue (USD million) | 2017 Revenue (USD million) | Growth Rate |
|--------------|-----------------|----------|----------------------------|----------------------------|-------------|
| 1 | Samsung | IDM | 41,954 | 63,344 | 51% |
| 2 | Intel | IDM | 57,027 | 61,720 | 8% |
| 3 | TSMC | Foundry | 29,488 | 32,163 | 9% |
| 4 | SK Hynix | IDM | 14,487 | 26,262 | 81% |
| 5 | Micron | IDM | 13,538 | 23,920 | 77% |
| 6 | Qualcomm | Fabless | 15,414 | 17,082 | 11% |
| 7 | Broadcom Ltd. | Fabless | 13,846 | 16,021 | 17% |
| 8 | TI | IDM | 11,706 | 13,018 | 11% |
| 9 | Toshiba | IDM | 9,850 | 12,205 | 24% |
| 10 | Nvidia | Fabless | 6,389 | 9,402 | 47% |
| 11 | NXP | IDM | 7,401 | 8,228 | 22% |
| 12 | WD/SanDisk | IDM | 5,310 | 7,840 | 48% |
| 13 | MediaTek | Fabless | 8,809 | 7,838 | -11% |
| 14 | Apple | Fabless | 6,493 | 6,960 | 7% |
| 15 | GlobalFoundries | Foundry | 5,495 | 6,060 | 10% |
| 16 | ST | IDM | 5,129 | 5,911 | 15% |
| 17 | Analog Devices | IDM | 4,793 | 5,433 | 13% |
| 18 | AMD | Fabless | 4,272 | 5,329 | 25% |
| 19 | Renesas | IDM | 4,877 | 5,328 | 9% |
| 20 | UMC | Foundry | 4,582 | 4,898 | 7% |
| 21 | Infineon | IDM | 4,333 | 4,841 | 12% |
| 22 | HiSilicon | Fabless | 3,910 | 4,715 | 21% |
| 23 | Microchip | IDM | 3,221 | 3,781 | 17% |
| 24 | Skyworks | IDM | 3,205 | 3,711 | 16% |
| 25 | SMIC | Foundry | 2,914 | 3,101 | 6% |

Source : IC Insights, III-IEK, organized by SIPO (July 2018)

2017 Taiwan Semiconductor Leaders

| 2017 Ranking | Company | 2016 Revenue (NT\$100 million) | 2017 Revenue (NT\$100 million) | Growth Rate | Category |
|--------------|-----------|--------------------------------|--------------------------------|-------------|------------------------|
| 1 | TSMC | 9,479 | 9,774 | 3.1% | IC Foundry |
| 2 | MediaTek | 2,755 | 2,382 | -13.5% | IC Design |
| 3 | ASE | 1,523 | 1,524 | 0.1% | IC Packaging & Testing |
| 4 | UMC | 1,479 | 1,493 | 0.9% | IC Foundry |
| 5 | SPIL | 851 | 836 | -1.8% | IC Packaging & Testing |
| 6 | PTI | 483 | 596 | 23.4% | IC Packaging & Testing |
| 7 | Nanya | 416 | 549 | 32.0% | Memory |
| 8 | Winbond | 421 | 476 | 13.1% | Memory |
| 9 | Novatek | 456 | 471 | 3.3% | IC Design |
| 10 | Powerchip | 418 | 463 | 10.8% | IC Foundry |
| - | Total | 18,281 | 18,564 | 1.5% | - |

Source : Companies' Financial Statements, III-IEK, organized by SIPO (July 2018)