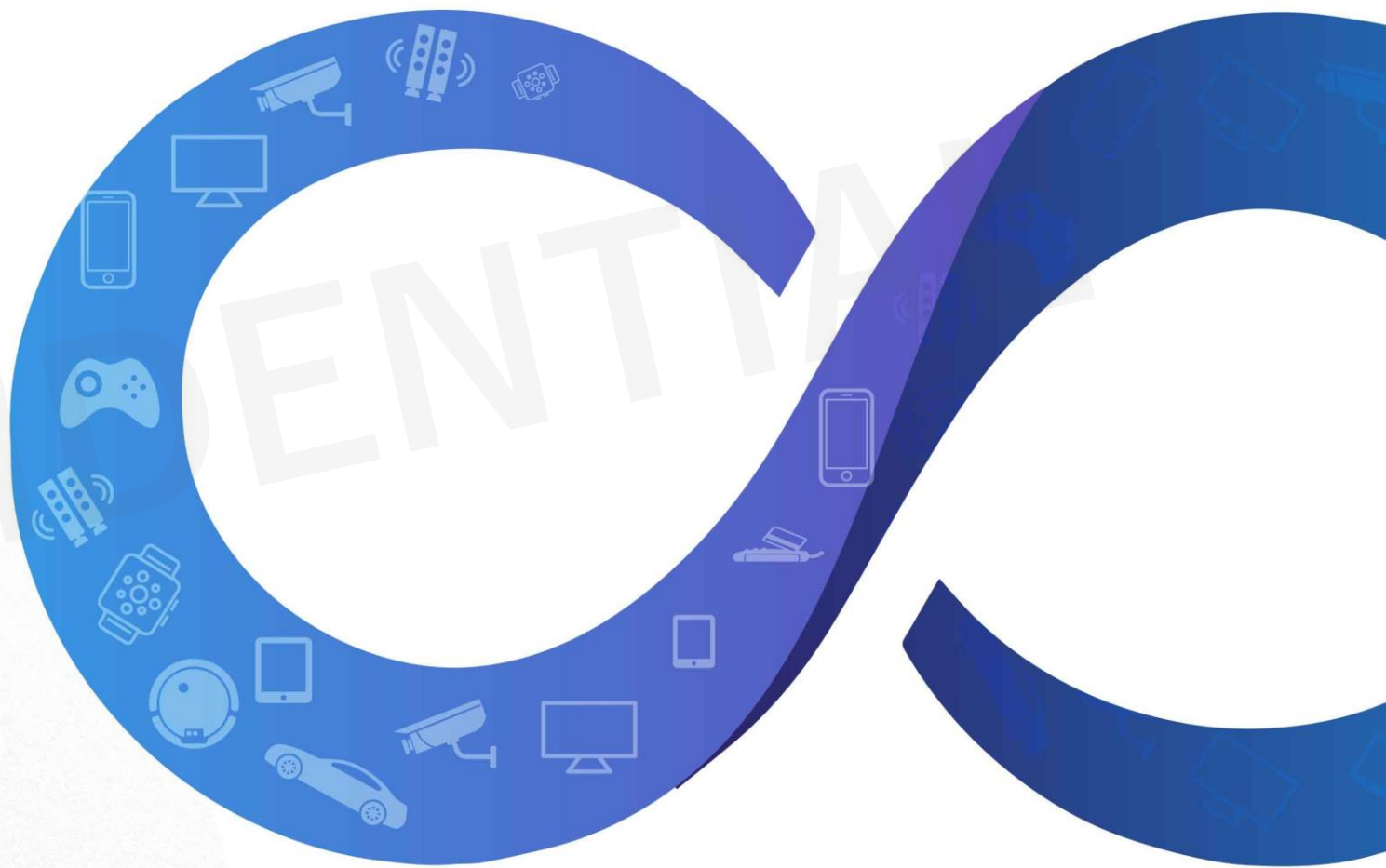


Company Profile

United Memory Technology 2025



To Be a Leading Memory Solution Provider

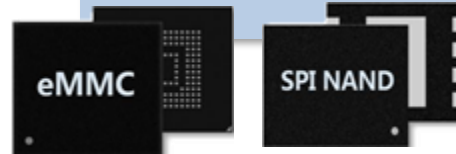
15+
Years of Experience

100+
Patents Globally

"GSTO" Memory Solutions

Embedded Products

- SPI/PPI NAND
- SD NAND
- eMMC
- LPDDR
- DDR3/DDR4
- MCP

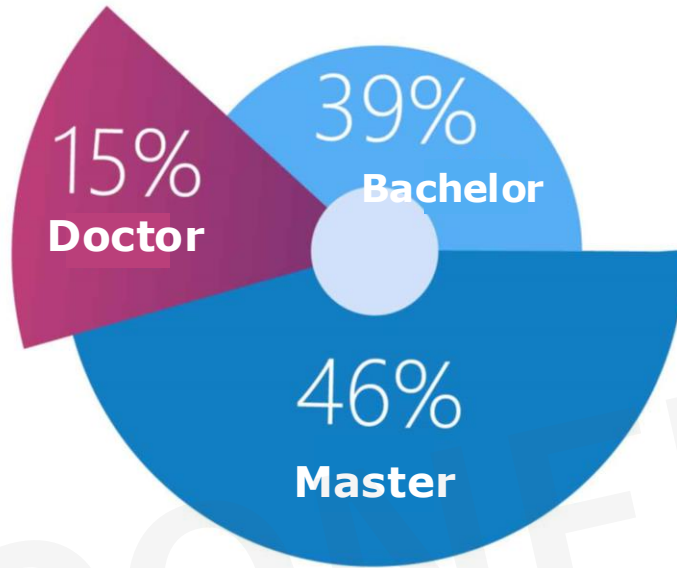


Module Solutions

- SATA/PCIe SSD
- DIMM MODULE
- SD CARD
- MicroSD

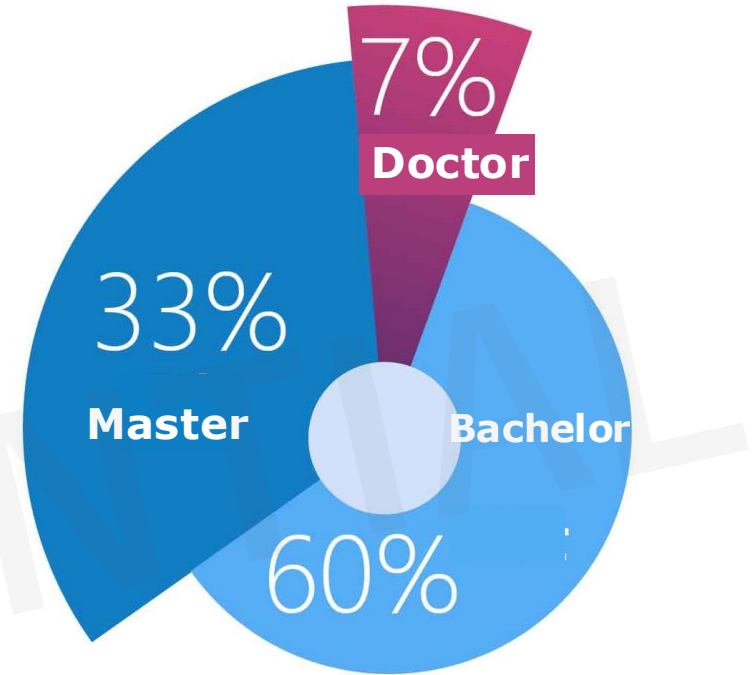


A Team of Experts



R&D Team

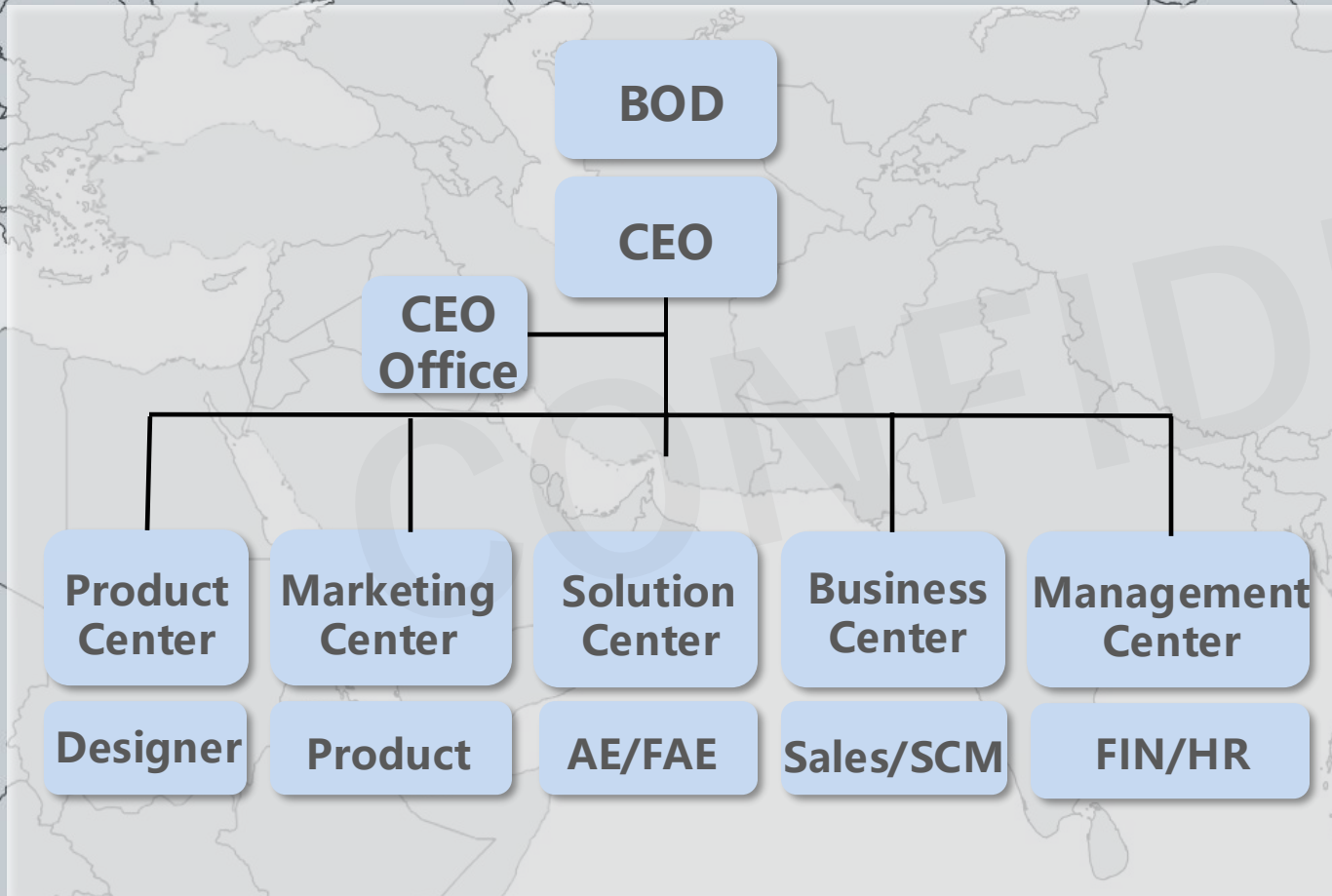
R&D members from global manufacturers such as Hynix, Samsung, YMTC, Sandisk, Winbond, etc., with deep understanding of 2D/3D NAND, DRAM, NOR and other memory chip design and production.



P&T Team

With own advanced packaging and testing technology and process, the team has experience of serving world famous brand customers, provided mature, stable, advanced services.

A Customer-Centric Team



UMT Value Proposition

A total solution provider with...

Mass production experience

| Mass production experience of serving international high-end customers

Process Capability

| Years of technology in the international advanced IDM platform

P&T Capability

| Own advanced packaging and testing capability

Services & Quality

| High quality products with strong logistic & short lead time

GSTO Embedded Solutions

					
SPI NAND Package: WSON8 Density: 1Gb/2Gb/4Gb Voltage: 1.8V/3.3V	PPI NAND Package: TSOP48 Density: 1Gb/2Gb/4Gb Voltage: 3.3V	eMMC Package: FBGA153 Density: 4GB~128GB Version: eMMC 5.1	DDR3 Package: FBGA96 Density: 2Gb/4Gb Data rate: 1866Mbps	DDR4 Package: FBGA96 Density: 4Gb/8Gb Data rate: 3200Mbps	LPDDR4X Package: FBGA200 Density: 16Gb/32Gb Data rate: 3200Mbps

Wearable



STB



Tablet



POS



Soundbox



TV



Networking



GSTO SLC NAND Portfolio

Product	SPI NAND Flash		PPI NAND Flash	
Voltage/Density	3.0V	1.8V	3.0V	1.8V
4Gb			GSS04GPA0	
2Gb	GSS02GSAK1 GSS02GSAX1	GSS02GSBK1 GSS02GSBX1	GSS02GPAK0 GSS02GPAM0	
1Gb	GSS01GSAK1 GSS01GSAX1 GSS01GSAK2	GSS01GSBK1 GSS01GSBK2 GSS01GSBX1	GSS01GPAK0 GSS01GPAM0	

GSTO SLC NAND Roadmap

								Sample		MP	
Density	Product	Description	2024	2025				2026			
			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
4Gb	GSS04GPAL0	3.0V,X8,ONFI									
2Gb	GSS02GPAM0	3.0V,X8,ONFI									
	GSS02GSAX1	3.0V,108M,X4									
	GSS02GSBX1	1.8V,108M,X4									
	GSS02GSBK1	1.8V,104M,X4									
1Gb	GSS01GPAM0	3.0V,X8,ONFI									
	GSS01GSAX1	3.0V,108M,X4									
	GSS01GSBX1	1.8V,108M,X4									
	GSS01GSBK2	1.8V,108M,X4									
	GSS01GSAM0	3.0V,104M,X4									

GSTO SD NAND Roadmap

								Sample		MP	
Density	Product	Description	2024	2025				2026			
			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
64Gb	GSC64GSAE1N8 ¹	3.0V, X4, LGA8									
32Gb	GSC32GSAE1N8 ¹	3.0V, X4, LGA8									
16Gb	GSC16GSAE1N8 ¹	3.0V, X4, LGA8									
8Gb	GSC08GSAE1N8 ¹	3.0V, X4, LGA8									
4Gb	GSC04GSAE1L8 ²	3.0V, X4, LGA8									
2Gb	GSC02GSAE1L8 ²	3.0V, X4, LGA8									
1Gb	GSC01GSAE1L8 ²	3.0V, X4, LGA8									

NOTE:
1,Package 8X6.2 available.
2,Package 8X6 available.

GSTO eMMC Roadmap

										Sample	MP
Density	Product	Description	2024	2025				2026			
			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
128GB	GSE128AAE4-F5V5C0	eMMC5.1,3D TLC									
64GB	GSE64GAAE3-F5V5C0	eMMC5.1,3D TLC									
32GB	GSE32GAAE3-F5V5C0	eMMC5.1,3D TLC									
16GB	GSE16GAAE3-F5V5C0	eMMC5.1,3D TLC									
8GB	GSE08GAAE7-F5V5C0	eMMC5.1,2D MLC									
4GB	GSE04GAAE7-F5V5C0	eMMC5.1,2D MLC									

GSTO DRAM Roadmap

								Sample		MP	
Density	Product	Description	2024	2025				2026			
			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
32Gb	GSD32GWFB8 ¹	LPDDR4X,X32,3733									
16Gb	GSD16GWFB7 ¹	LPDDR4X,X32,3733									
8Gb	GSD08GHFB6 ²	DDR4,X16,3200									
4Gb	GSD04GHFB5 ²	DDR4,X16,3200									
4Gb	GSD04GHFB4 ³	DDR3L,X16,1866									
2Gb	GSD02GHFB3 ^{3,4}	DDR3L,X16,1866									
2Gb	GSD02GHFB9 ^{2,4}	DDR3L,X16,1866									

NOTE:
1,Package 10x15 available.
2,Package 7.5x13 available.
3,Package 8x13 available.
4,Nanya 20nm,

GSTO Module Solutions



SATA3 SSD

Form Factor: 2.5"/mSATA
/M.2 2242/M.2 2280
Density: 1GB – 2TB



PCIe SSD

Form Factor:
2.5"/M.2 2280/M.2 2242
Density: 1GB – 2TB



DIMM Module

Type: U-DIMM/SO-DIMM
Interface: DDR3/DDR4/DDR5
Density: 4GB – 16GB



SD Card

Interface: MicroSD/SD Card v6.1
Density: 1GB – 256GB

Enterprise



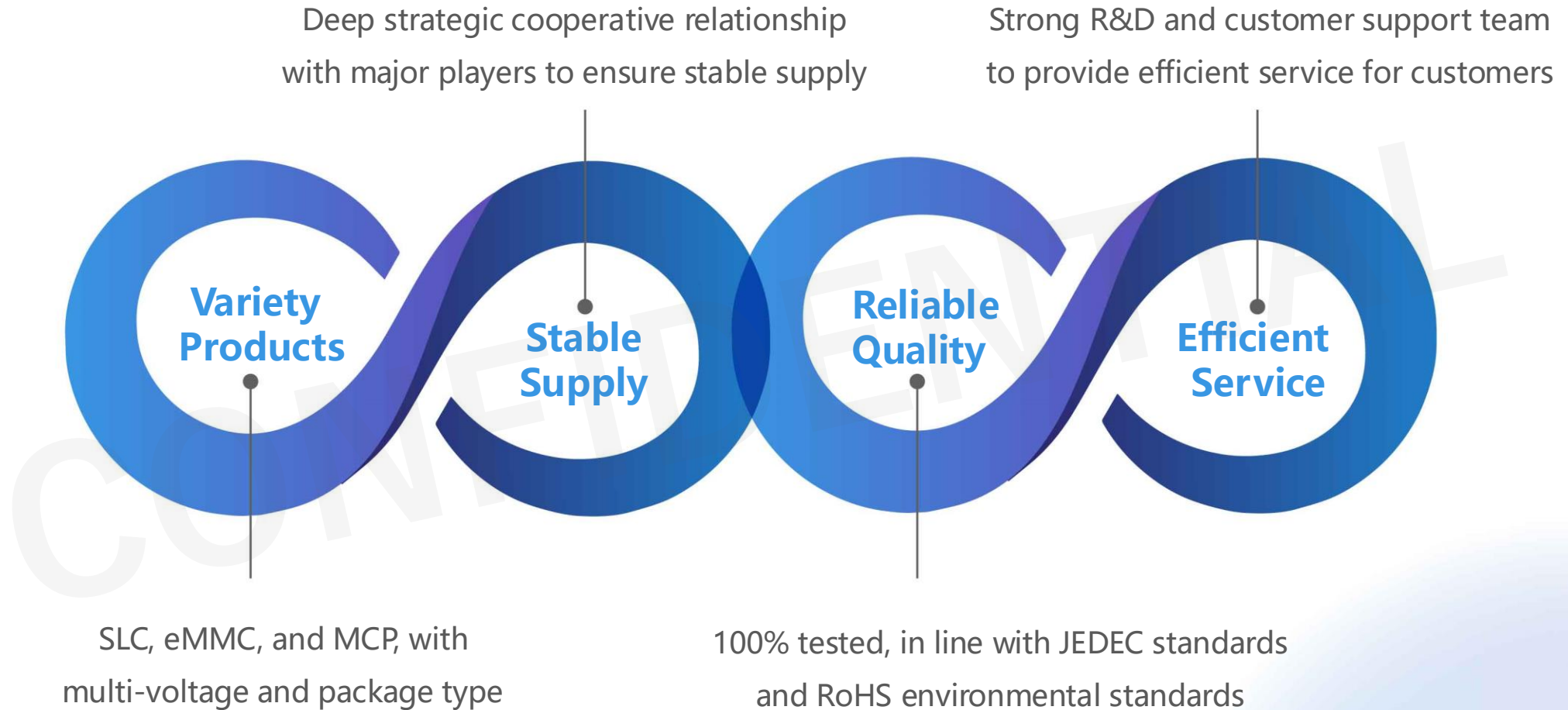
Datacenter

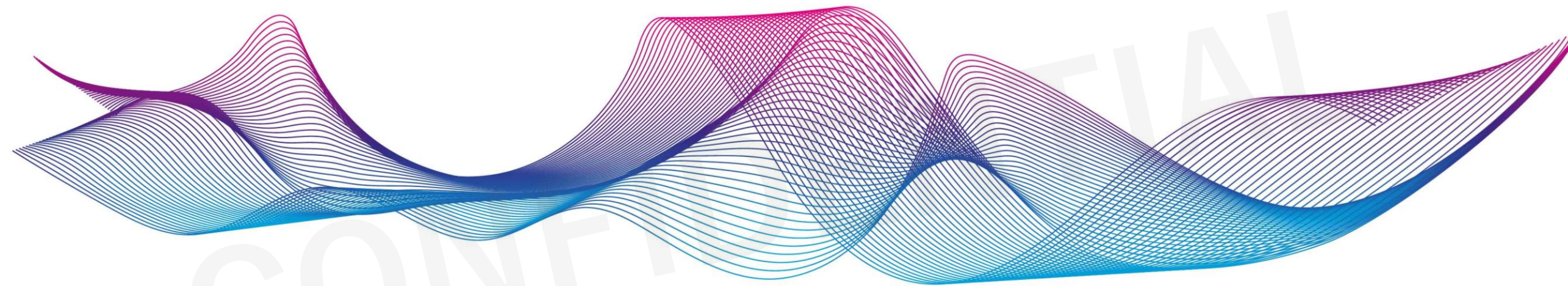


PC/Laptop



A Trustable Brand





Thank you.