

2024

	1
1.	2
1.1.	
1.2.	
1.3.	
1.4.	
2.	4
2.1.	
2.2.	
3.	6
3.1.	
3.2.	
4.	7
4.1. 2024	
4.2.	
4.3.	
4.4.	
5.	11

2025

(ESG)

GHG Protocol

2024

2024

5,113,143.92

kg CO₂e

1,261,300.13

kg

CO₂e

2024

1.

1.1.

(GigaDevice)200520168

MCU

" "

1.2.

1.1

	2023	2024
	2023	2024
	2030100%	
	2030202150%	
	2060	
	2060	
	203060%	
	2030100%	
	2060100%	
	2060100%	

1.3.

2006 IPCC 2019

EPA

2023-2025

CPCD China Products Carbon Footprint Factors Database

1.2

		EPA	
		EPA	
		IPCC	3.7
		2023 2025	
		CPCD China Products Carbon Footprint Factors Database	
		1	

2.

2.1.

ISO14064-1:2018

100%

2.2

		/
		CO ₂ HFCs PFCs

3.

3.1.

$$\begin{aligned}
 & \text{PFCs} \quad (95\# \quad) \\
 & = \text{IPCC2006} \times \text{AD} \times \text{EF} \times \text{GWP} \\
 & \quad \quad \quad (\quad) \quad \text{CO}_2 \quad \text{HFCs} \\
 & \quad \quad \quad \text{IPCC2006} \\
 & \quad \quad \quad \text{GWP} \quad \text{IPCC2007} \\
 & \quad \quad \quad 0.5\% \\
 & 3\%
 \end{aligned}$$

3.2.

$$\begin{aligned}
 & \text{CPCD} \quad \text{China Products Carbon Footprint Factors Database} \\
 & \text{GHG Protocol} \\
 & = \times \text{AD} \times \text{EF} \\
 & \quad \quad \text{CPCD} \quad \text{China Products Carbon Footprint Factors} \\
 & \text{Database} \\
 & \text{GB/T 51366-2019}
 \end{aligned}$$

4.

4.1. 2024

	2024	5,113,143.92	kg
CO ₂ e		1,261,300.13	
kg CO ₂ e	1,616.21		

4.2.

	2024	5,113,143.92	kg
CO ₂ e			

4.1 2024

IC-Park	kg CO ₂ e	kg CO ₂ e	kg CO ₂ e	kg CO ₂ e
5,163.22L	11,322.93	2,358.42 L	5,172.02	3,991.00 L
/	/	/	/	/
/	35,231.53	/	114,473.21	/
1,070,709.75 k	0	8,966,581.00 k	3,366,110.92	2,699,732.78 k
	46,554.46	3,485,765.15	1,580,833.31	5,113,143.92

1) 2024

2) 3.

(1)

4.2

2

		kg CO ₂ e		kg CO ₂ e		kg CO ₂ e		kg CO ₂ e
95#	5,163.22L	11,322.93	2,358.42 L	5,172.02	3,991.00 L	8,752.26	25,247.21	
	/	/	/	/	/	/	/	
	/	35,231.53	/	114,473.21	/	32,423.45	182,128.19	
							207,375.40	

95#

(2)

4.4 2024

kg CO₂e

			2024
k	kg CO ₂ e	k	

4.3.

2024

1,261,300.13

5

4.6

2024

3

kg CO₂e

kg CO ₂ e		
范围：	-	226,587.56
	-	787,478.88
	-	247,233.69
		1,261,300.13

2024

4.4.

2024

2024

12,737,023.53 k

0 m³

11,512.64 L

310,239 k

2024

4.7

2024

		50.83
	95#	12.70
		38.13
		1,565.38
		1,616.21
		194.21

5

5.

2024

2024

2024

2,535.085

2024