

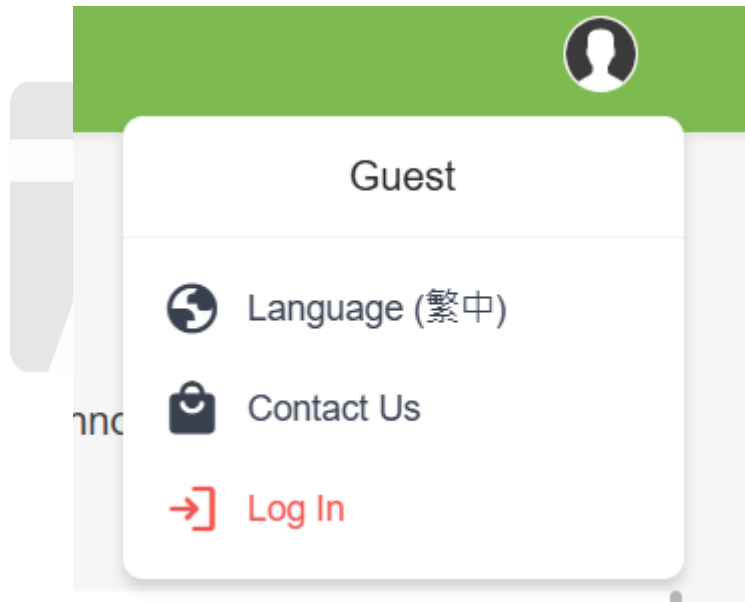
A background image showing a business meeting. In the foreground, a person's hand is writing on a document with a pen. The document features a bar chart with blue and orange bars and a pie chart. To the left, a pair of black-rimmed glasses rests on a white surface. In the background, another person is holding a tablet and a pen, looking at the screen. There are stacks of papers and a white mug on a desk. The overall scene is brightly lit, suggesting a professional office environment.

IntellectNet User Guide

2025.02

How to Get Started?

- Open your browser and go to <https://intellectnet.trendforce.com/chat>, then click the profile icon in the top right corner to log in.
- Enter your credentials on the TrendForce login page. Once logged in, you can start using IntellectNet.



SIGN IN

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Login ID

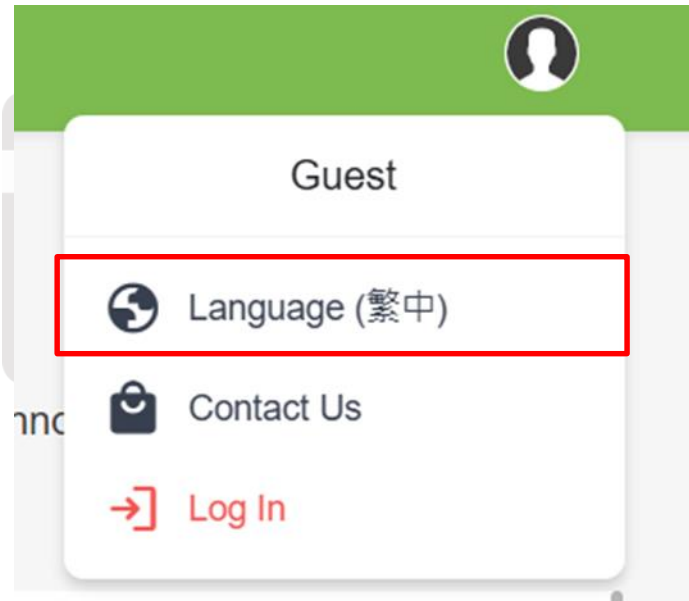
Password

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How to Change the Language?

- Go to <https://intellectnet.trendforce.com/chat> and click the profile icon in the top right corner.
- Select the first option to switch the language to English (EN) and start using IntellectNet in English.




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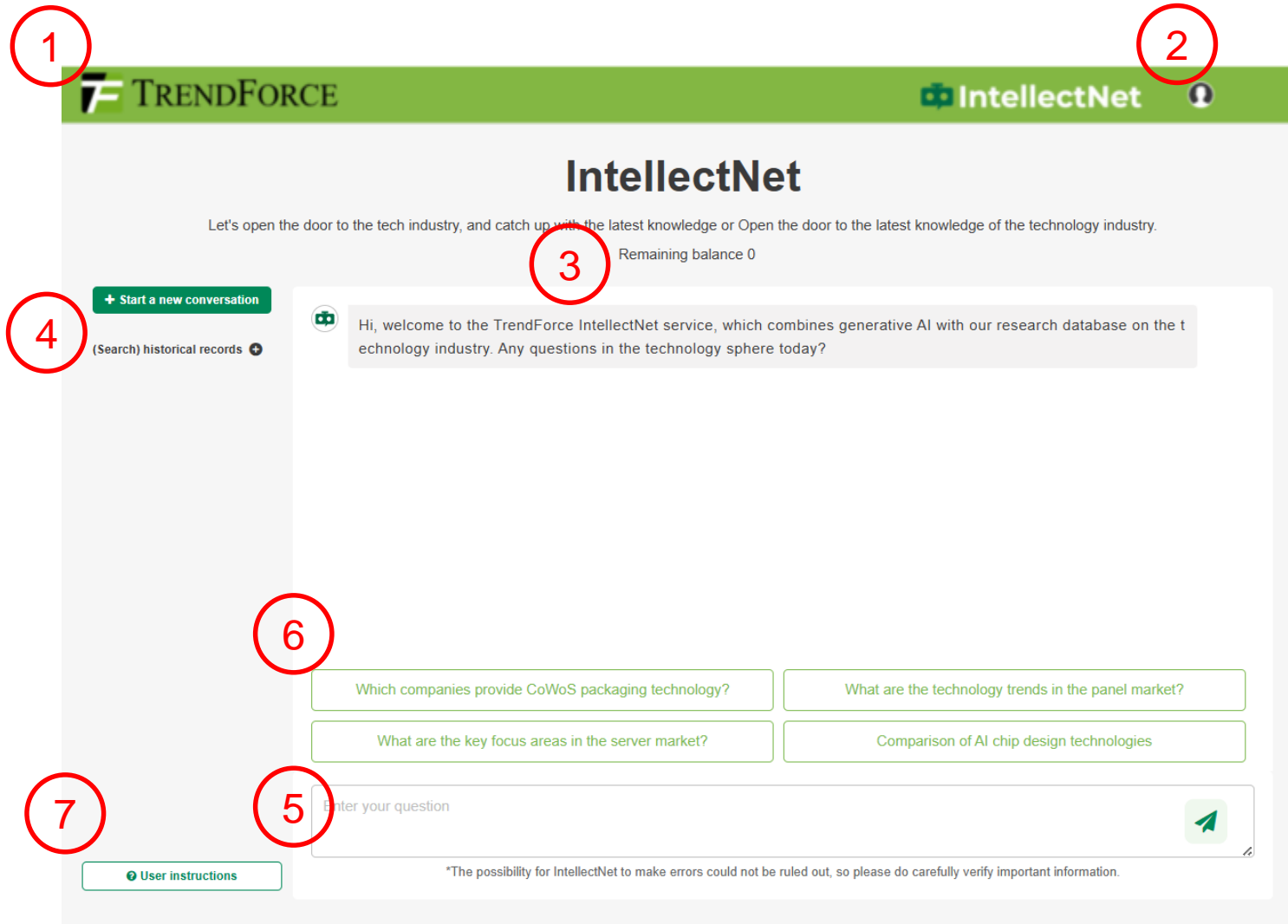
Login ID

Password
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User Interface Overview



- 1. Return to the TrendForce official website.
- 2. Member Center (change language, contact sales, log in/log out).
- 3. Usage Quota (default 10 queries for TrendForce paid members).
- 4. Question History – View your past inquiries.
- 5. Query Input – Enter industry-related questions.
- 6. Pre-set Sample Questions – Clicking on each sample question deducts one usage from your quota.
- 7. View related user instructions.

User Feedback Mechanism

- Users can provide feedback on model responses.

...s, while FPGAs offer flexibility and can be reconfigured for different tasks. ASICs, on the other hand, are optimized for specific applications, providing high efficiency and performance but at the cost of flexibility.

In terms of technology nodes, the latest chips are being manufactured using advanced processes such as 4nm and 5nm, which allow for higher performance and lower power consumption. For example, NVIDIA's H100 and GH200 chips utilize a 4nm process and are designed for high-performance AI training, with thermal design power (TDP) ratings reaching up to 2700W. Similarly, AMD's MI300 series and Intel's Gaudi chips are also pushing the boundaries of performance with their advanced manufacturing processes.

The competition in the AI chip market is fierce, with NVIDIA currently leading, but AMD and Intel are making significant strides. CSPs like Google and AWS are also notable players, developing in-house chips like the TPU (Tensor Processing Unit) and Trainium, which are tailored for their specific cloud-based AI workloads.

For further insights, refer to the following sources:

- [2025 AI Server Market and Key Supply Chain Dynamics](#)
- [Global AI Server Market and Supply Chain Development Forecast for the Next Five Years](#)
- [CSP In-House AI Chip Manufacturing: Trend Analysis \(Presentation\)](#)
- [Forecast on Dynamics of AI Server and HBM Markets in 2024](#)

These reports provide a more in-depth market analysis and forecast, proving valuable for understanding the future direction of AI chip technologies.

- The Like/Dislike buttons allow users to share their opinions, and clicking the Dislike button will prompt a feedback form for further input.

In order to make everything better,

Please let us know why you dislike this response. Your feedback will be indispensable for us to improve.

<input type="radio"/> Inaccurate	<input type="radio"/> Out of date
<input type="radio"/> Not helpful enough	<input type="radio"/> Too terse/ short
<input type="radio"/> Too lengthy	<input type="radio"/> Harmful or offensive

How can the response be improved? (Optional)

Your suggestion

Remove dislike **Submit**

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