

BRAIN

BALLARAT REGION ARTIFICIAL INTELLIGENCE NETWORK

UNLOCKING THE POWER OF AI FOR BALLARAT BUSINESSES

AI HARDWARE SETUP GUIDE 2025

A Practical Guide to Bringing AI Into Your Business – *On Your Terms*

Developed in partnership with **Federation University Australia** – Published by **BRAIN** – Ballarat Region Artificial Intelligence Network

A comprehensive guide helping businesses choose the right AI hardware setup without needing technical expertise. This practical resource breaks down AI infrastructure into five budget tiers (from \$2K to \$50K+), providing detailed hardware specifications, use cases, and decision-making frameworks. The guide addresses key questions about model requirements, inference vs. training needs, and helps organizations understand what's possible at each investment level - from simple chatbots to full-scale language model training capabilities.

DISCOVER MORE ABOUT THE BALLARAT REGION ARTIFICIAL INTELLIGENCE NETWORK AT BRAIN.NET.AU

Dear Regional Business Leaders,

Artificial Intelligence is no longer just a tool for tech giants – it's a **competitive advantage** now within reach of **every business** in our region.

At **BRAIN**, we believe Ballarat's businesses deserve the **knowledge, tools, and confidence** to adopt A.I. meaningfully – without technical barriers or excessive costs.

This guide was developed in partnership with **Federation University** to:

- Remove the confusion surrounding AI hardware,
- Provide clear, non-technical guidance, and
- Offer practical, scalable pathways to get started.

Whether you're exploring AI to:

- Improve customer support,
- Automate compliance or admin,
- Or drive innovation within your industry –

–you'll find **actionable recommendations** in this guide for building the right AI infrastructure – from entry-level setups to enterprise-grade systems.

Our goal is simple:

| Help Ballarat businesses lead, not lag, in the AI economy.

By investing wisely in local AI capability, your organisation can reduce costs, boost productivity, and unlock new opportunities – all while keeping data and decision-making **in your hands**.

We invite you to use this resource as a starting point – and to connect with **BRAIN** for advisory, implementation partnerships, or ongoing support tailored to your goals.

Warm regards,



FOREWORD



DR. ROBERT LAYTON

Co-founder & Director (Research & Innovation)
BRAIN – Ballarat Region Artificial Intelligence Network
Director, Federation University AI Research Group

“THE AI ERA WON’T WAIT. NEITHER WILL BALLARAT.”

WHY SHOULD YOU CARE ABOUT AI?

AI ISN'T THE FUTURE – IT'S HAPPENING NOW.

Across Australia, businesses are using artificial intelligence to:

- Answer customer enquiries 24/7 
- Automate repetitive admin tasks 
- Speed up hiring and onboarding processes 
- Analyse reports, feedback, and emails in seconds 
- Translate content for diverse teams and clients 

But here's the catch:

| YOU DON'T NEED TO BE A TECH EXPERT OR SPEND HUNDREDS OF THOUSANDS OF DOLLARS, TO GET STARTED.

SO WHAT CAN AI *ACTUALLY* DO?

HERE ARE REAL EXAMPLES OF AI IN ACTION – ALL POSSIBLE WITH YOUR OWN HARDWARE:

TASK	AI CAN...
Customer service	Run a smart chatbot that replies instantly
Admin	Summarise long documents, legal texts, or reports
HR	Auto-generate policies, draft emails, or sort CVs
Operations	Translate emails and automate workflows
Product	Help train tools that match your brand's voice

| **AND IT'S PRIVATE . NO CLOUD SUBSCRIPTIONS. NO EXTERNAL SERVERS.**

THE TIERED APPROACH – START SMALL, GROW SMART

WE'VE BROKEN DOWN THE AI JOURNEY INTO FIVE SIMPLE TIERS, FROM \$2K TO \$50K+.

Each tier answers the question:
⚡ “What can I actually do with this?”

TIER	IDEAL FOR	WHAT YOU CAN DO
\$2K	First-timers	Add a chatbot, summarise docs
\$5K	Growing teams	Train small models, automate tasks
\$10K	Product dev	Build and run custom tools
\$20K	Enterprises	Run AI across multiple departments
\$50K+	Labs & leaders	Full-scale language model training

THE SWEET SPOT FOR MOST BALLARAT BUSINESSES?
\$5K-\$10K SETUPS – POWERFUL, PRIVATE, AND PRACTICAL.

Disclaimer: Price levels are indicative, i.e. “approximately \$2,000”, not hard limits. Prices for components can and do vary over times and regions, but were accurate at the time of this research.



\$2K TIER – SMART START FOR SMALL BUSINESS

Perfect For:

- Local business owners, consultants, solo traders
- Teams beginning to explore AI tools like chatbots or auto-summary
- Those looking to reduce cloud spend while keeping data private

WHAT YOU CAN ACHIEVE ON \$2K TIER:

- Use a chatbot to automatically reply to FAQs
- Quickly summarise lengthy documents or customer feedback
- Run AI models locally, without ongoing subscription fees

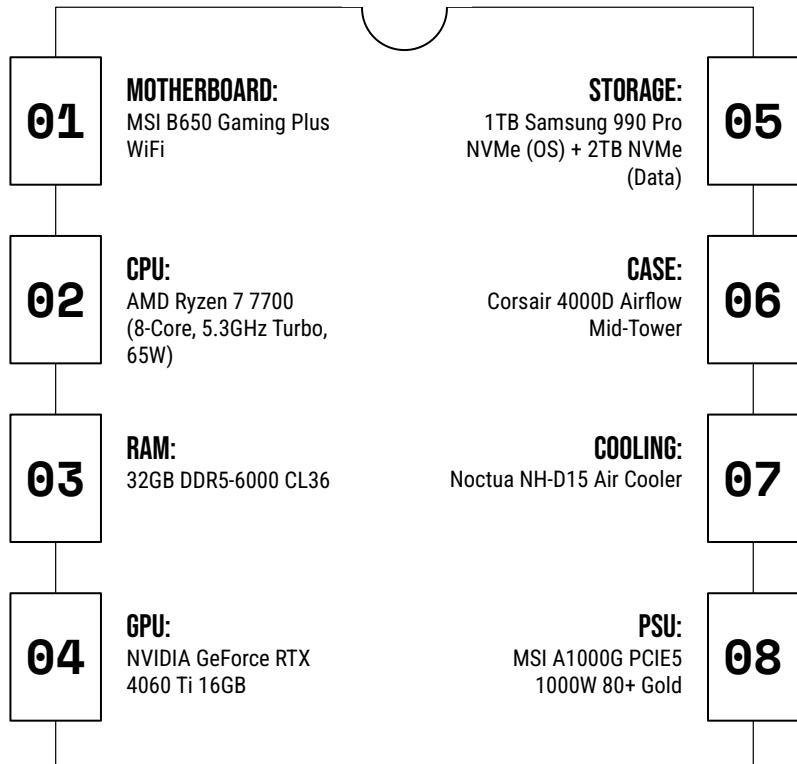


WHY THIS \$2K TIER WORKS:

- Affordable, low-risk starting point
- Quiet and compact – suits home offices or shop counters
- Scalable if you grow into more complex AI needs

| **EXAMPLE: A BALLARAT RETAILER COULD USE THIS TIER TO REDUCE EMAIL HANDLING TIME BY 10+ HOURS MONTHLY WITH A SIMPLE IN-HOUSE CHATBOT.**

OPTION 1 (\$2K) – “THE SMART START SETUP” (INFERENCE-OPTIMISED)



Use case:

Running simple AI tasks like chatbots and summaries

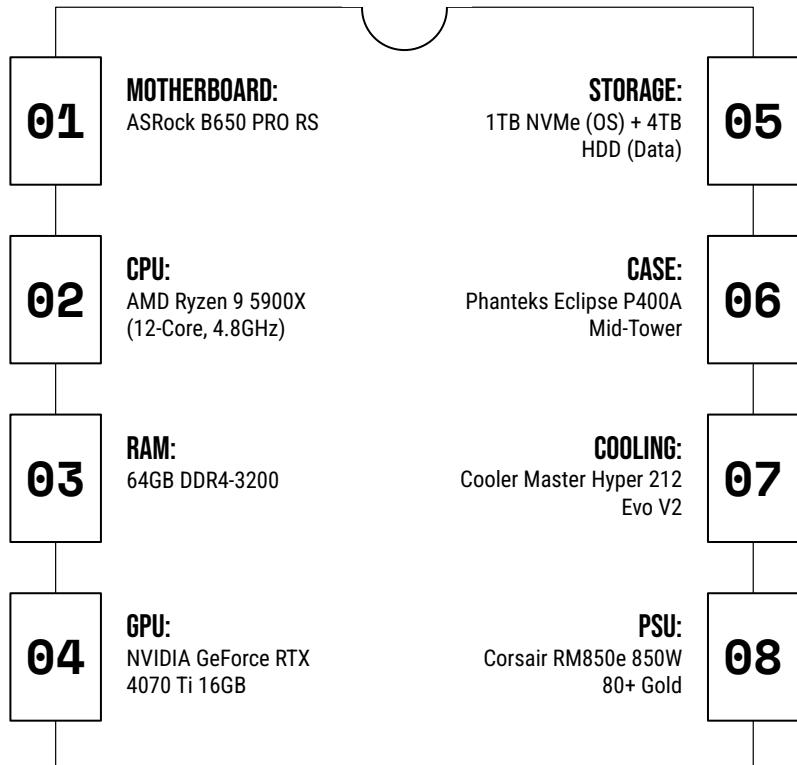
Ideal for:

Quiet office or shop environments

- No cloud fees
- Runs 24/7
- Simple to maintain



OPTION 2 (\$2K) – “THE FLEX PERFORMER” (BALANCED)



Use case:

Starting to experiment with small model training

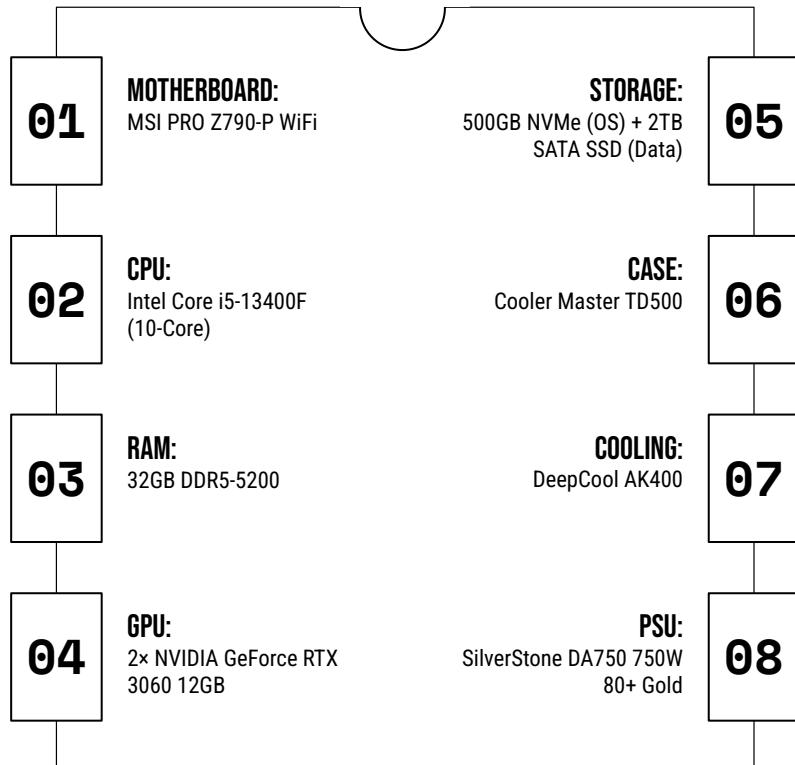
Ideal for:

Startups, developers, or teams building internal AI skills

- Good balance of speed and flexibility
- Train small models for tone, sentiment, or custom use
- Upgrade-ready



OPTION 3 (\$2K) – “THE MINI AI LAB” (TRAINING-OPTIMISED)



Use case:

First hands-on AI training experiments

Ideal for:

Students, researchers, or tech-savvy business owners

- Dual GPU setup for parallel jobs
- Compact lab-like environment
- Explore model tuning without large investment





\$5K TIER – AI FOR GROWING TEAMS

Perfect For:

- Small to mid-size teams ready to build or customise their own tools
- Businesses needing to automate reporting or internal support
- Organisations scaling their AI capabilities in-house

WHAT YOU CAN ACHIEVE ON \$5K TIER:

- Fine-tune mid-size models like LLaMA 13B
- Develop internal tools that align with your brand or tone
- Automate HR, legal, or policy responses

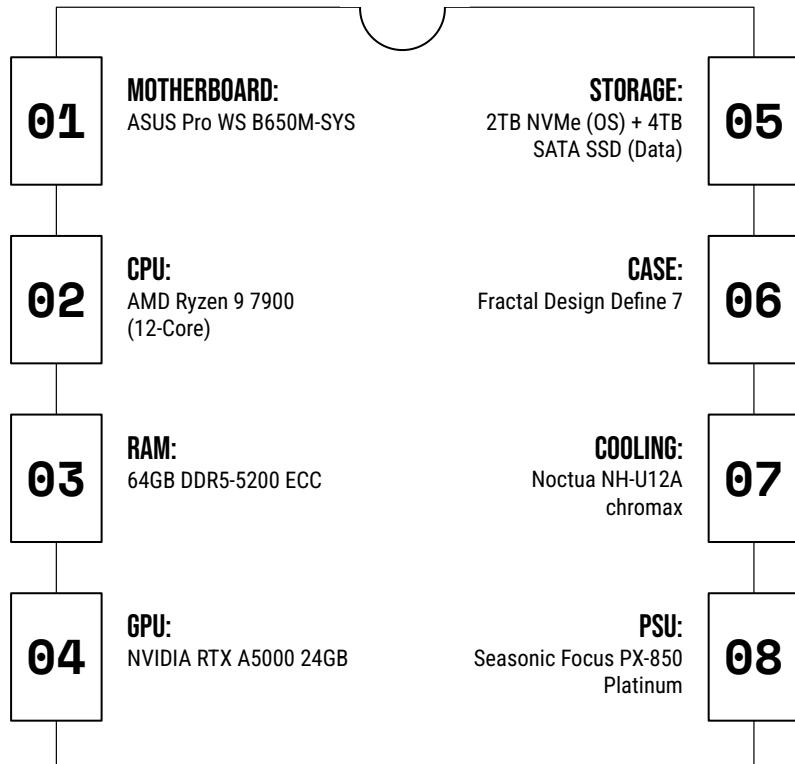


WHY THIS \$5K TIER WORKS:

- More power without stepping into full enterprise cost
- Supports multiple workflows at once
- Strong foundation for future AI development

| **EXAMPLE: A BALLARAT MANUFACTURER COULD USE THIS TIER TO BUILD AN INTERNAL AI REPORT GENERATOR – SAVING 60% OF COMPLIANCE TIME.**

OPTION 1 (\$5K) – “THE RELIABLE AI WORKHORSE” (INFERENCE-OPTIMISED)



Use case:

Always-on internal tools like chatbots or knowledgebases

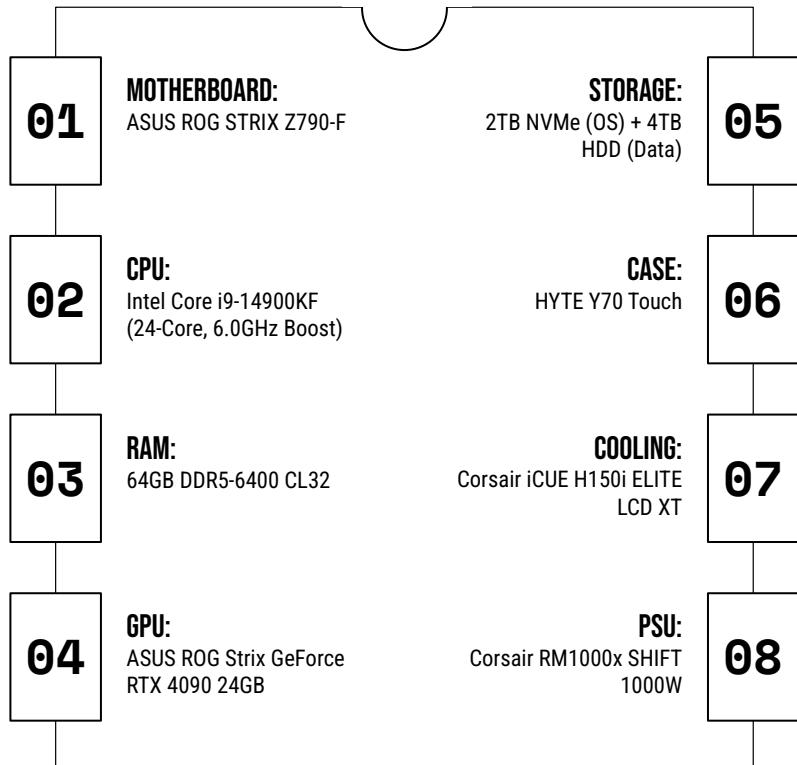
Ideal for:

Medium-sized teams with privacy or consistency needs

- ✓ Designed to run nonstop
- ✓ Whisper-quiet – suitable for shared spaces
- ✓ Great for shared service or support desks



OPTION 2 (\$5K) – “THE ALL-ROUNDER AI STUDIO” (BALANCED)



Use case:

Training, testing, and deploying from one machine

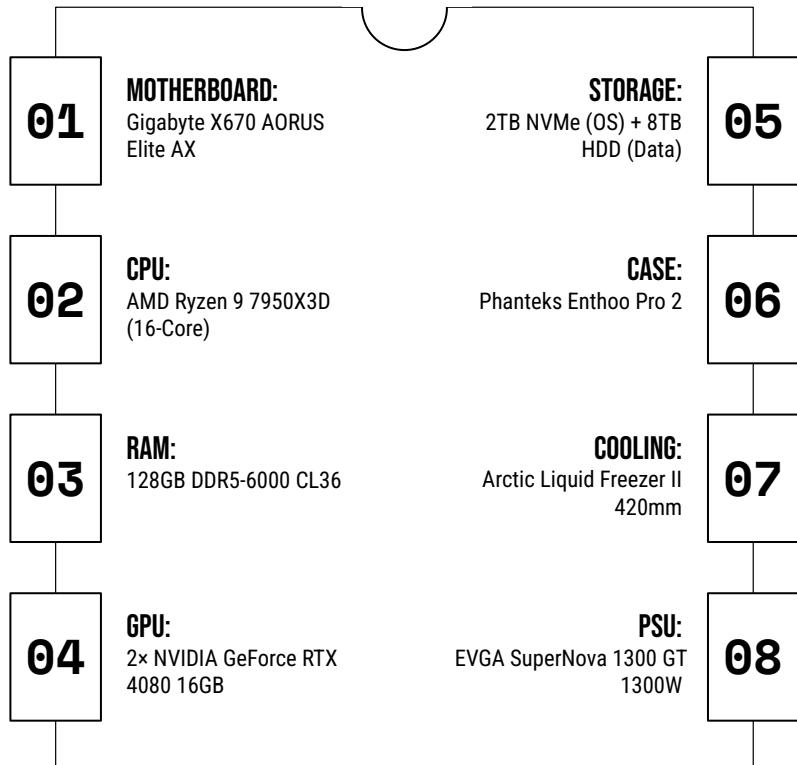
Ideal for:

Product development teams, early-stage AI startups

- Train and serve models up to 13B parameters
- Built-in LCD tools for real-time control
- Powerful yet manageable system



OPTION 3 (\$5K) – “THE DUAL-ENGINE TRAINER” (TRAINING-OPTIMISED)



Use case:

Intensive AI training workloads or experimentation

Ideal for:

R&D teams or technical users needing faster iteration

- Dual high-end GPUs
- Built for parallel model training
- Excellent for research or advanced prototyping





\$10K TIER - HIGH-PERFORMANCE AI FOR BUILDERS

Perfect For:

- Startups developing AI products or apps
- Businesses processing large documents or datasets
- Teams wanting control over live and trained AI services

WHAT YOU CAN ACHIEVE ON \$10K TIER:

- Run full document-processing pipelines in-house
- Train larger models (e.g., LLaMA 65B – quantised)
- Serve internal and external AI services without lag

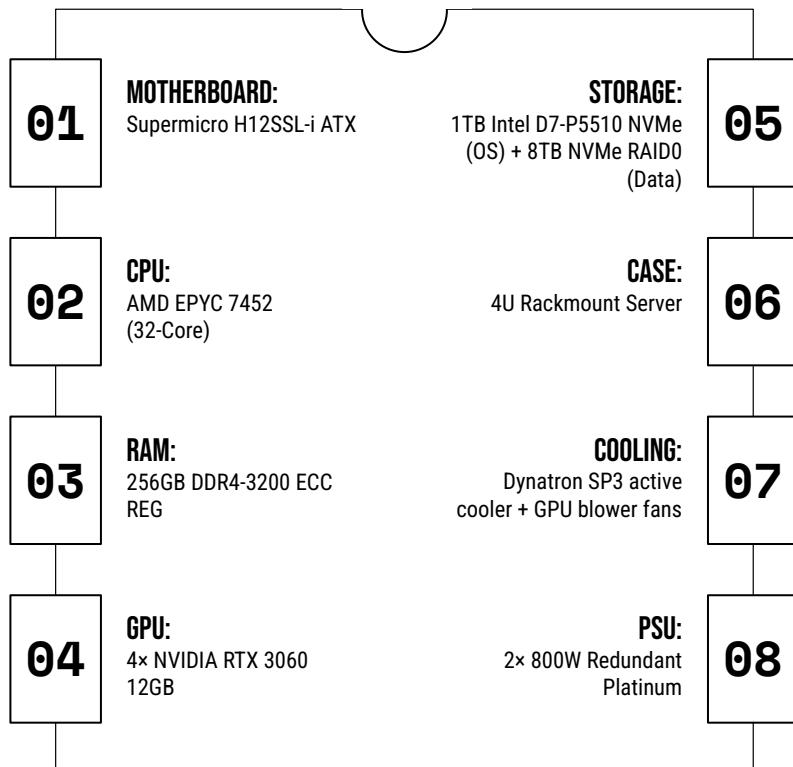


WHY THIS \$10K TIER WORKS:

- Handles serious AI workflows
- Supports simultaneous training and inference
- Great for regulated environments or app builders

| **EXAMPLE: A BALLARAT LEGAL TECH FIRM COULD USE THIS TIER TO AUTO-SUMMARISE LEGAL CONTRACTS – REDUCING REVIEW HOURS BY 70%.**

OPTION 1 (\$10K) – “THE ENTERPRISE AI BASE STATION” (INFERENCE-OPTIMISED)



Use case:

High availability for teams needing 24/7 access

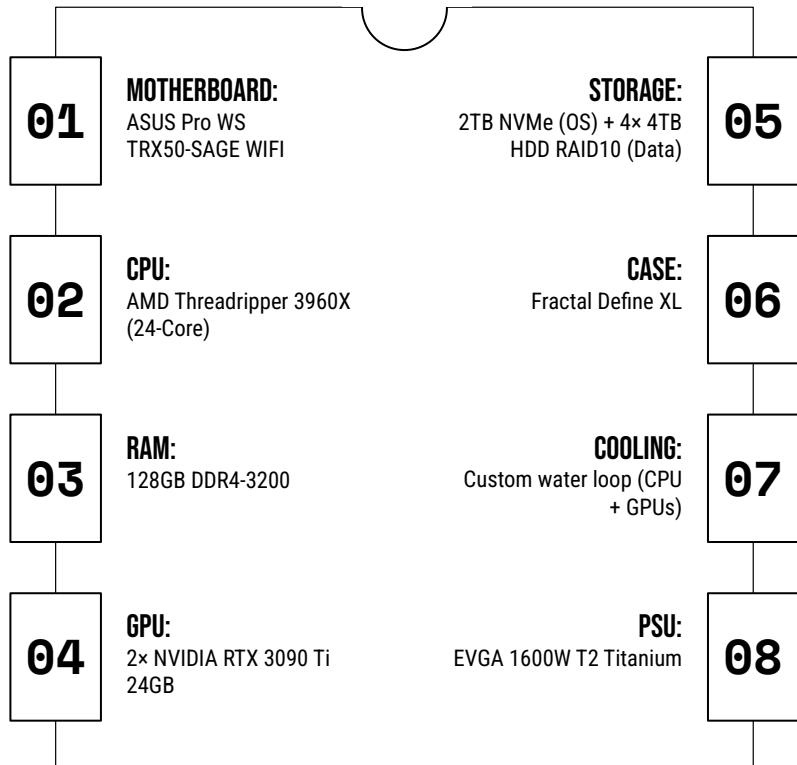
Ideal for:

Enterprises running HR, legal, or support AI

- ✓ Enterprise-grade reliability
- ✓ Multiple departments can use it simultaneously
- ✓ Easily integrates into server rooms



OPTION 2 (\$10K) - “THE CREATIVE AI STUDIO” (BALANCED)



Use case:

Creative teams needing AI support across design, content, and testing

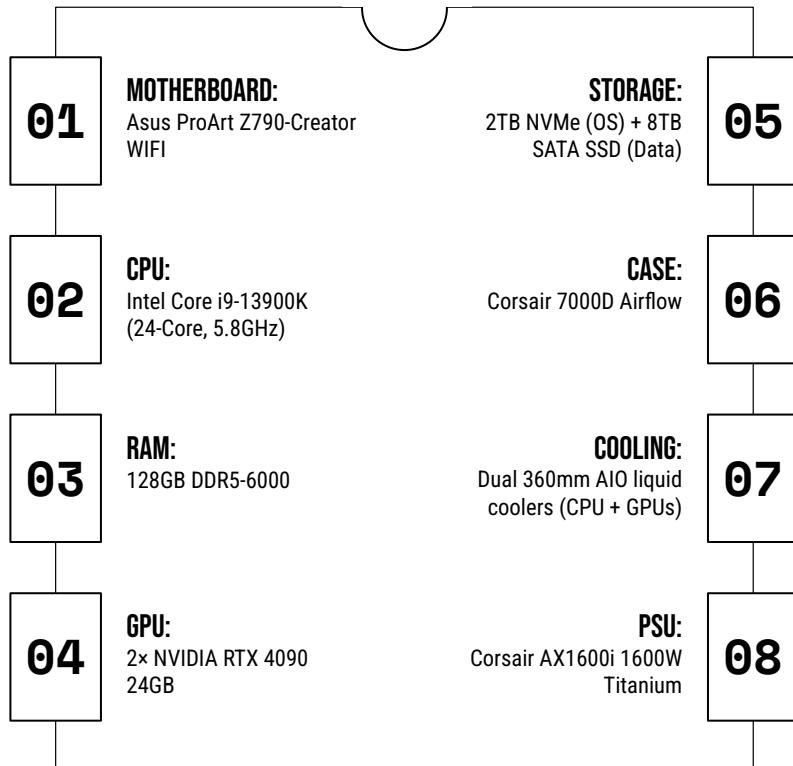
Ideal for:

Agencies, marketing teams, innovation offices

- ✓ Stylish yet powerful
- ✓ Quiet operation for client-facing offices
- ✓ Built for multi-purpose use



OPTION 3 (\$10K) – “THE AI POWERHOUSE WORKSTATION” (TRAINING-OPTIMISED)



Use case:

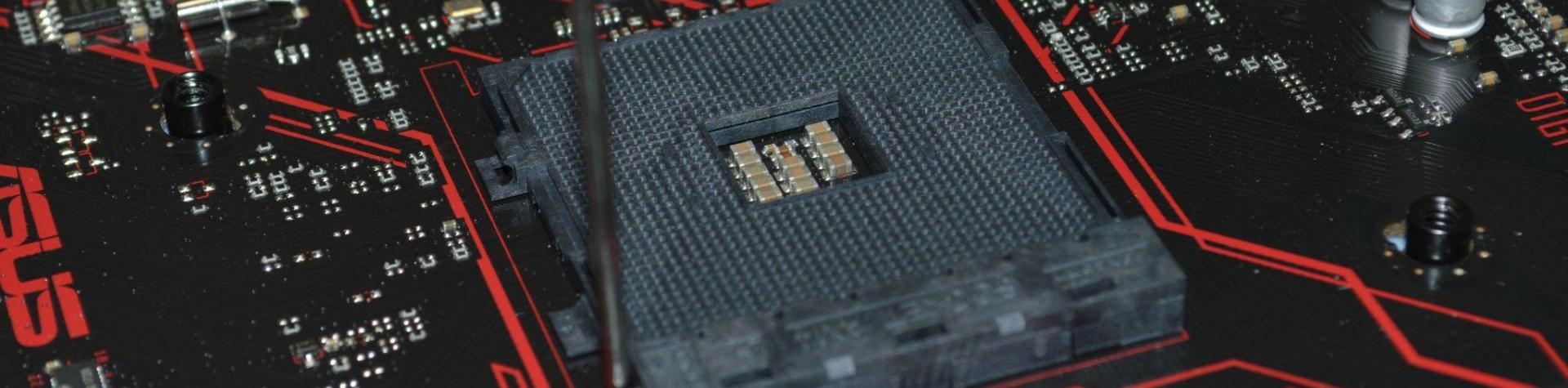
High-end model development for in-house teams

Ideal for:

AI teams building proprietary tools

- Train large-scale models faster
- Advanced cooling and performance
- Future-proof investment





\$20K TIER – AI INFRASTRUCTURE FOR ENTERPRISE TEAMS

Perfect For:

- Businesses shifting from cloud to private AI
- Companies operating in regulated sectors
- Teams needing round-the-clock, secure AI capability

WHAT YOU CAN ACHIEVE ON \$20K TIER:

- Run Falcon 40B or Mistral 7B models
- Serve multiple departments at once
- Host data in-house – no outside reliance

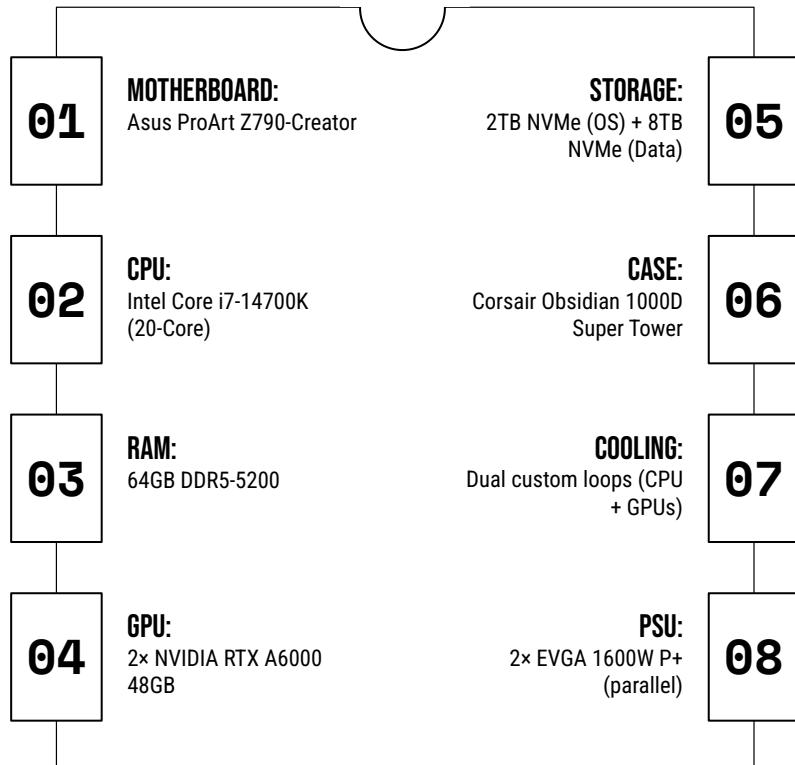


WHY THIS \$20K TIER WORKS:

- Supports multiple users concurrently
- No downtime
- Designed for industries like finance, health, or government

| **EXAMPLE: A REGIONAL FINANCIAL SERVICES FIRM COULD DEPLOY THIS TIER TO HOST PRIVATE AI TOOLS, REDUCING CLOUD SPEND BY 80%.**

OPTION 1 (\$20K) – “THE AI SERVICE HUB” (INFERENCE-OPTIMISED)



Use case:

High-reliability, high-security AI services

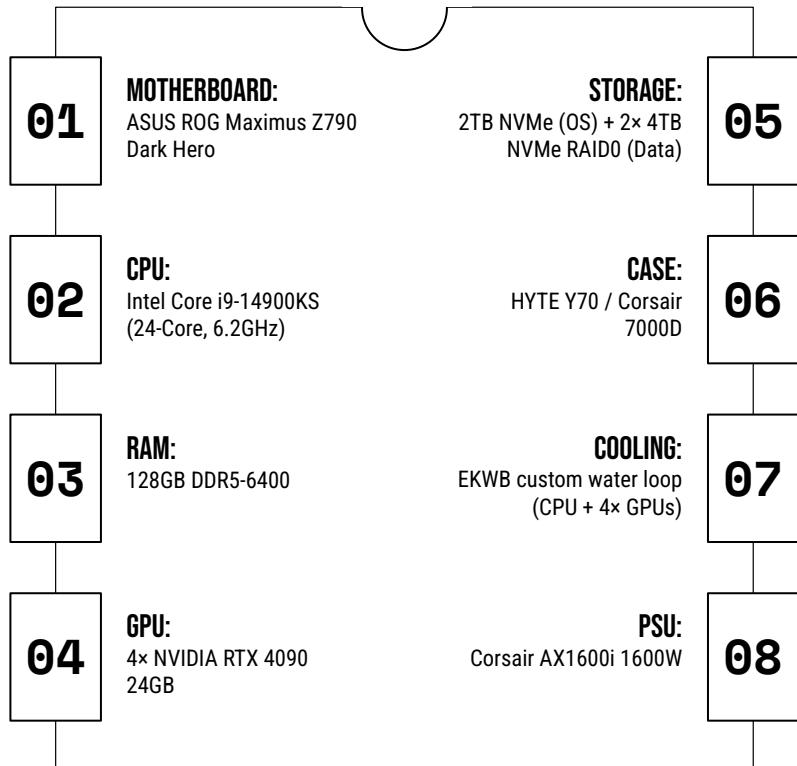
Ideal for:

Mid to large enterprises delivering AI support internally or to clients

- ✓ Fast, secure, and private
- ✓ Handles sensitive workflows
- ✓ Designed for mission-critical use



OPTION 2 (\$20K) – “THE VERSAGRID AI TOWER” (BALANCED)



Use case:

Versatile AI development and delivery

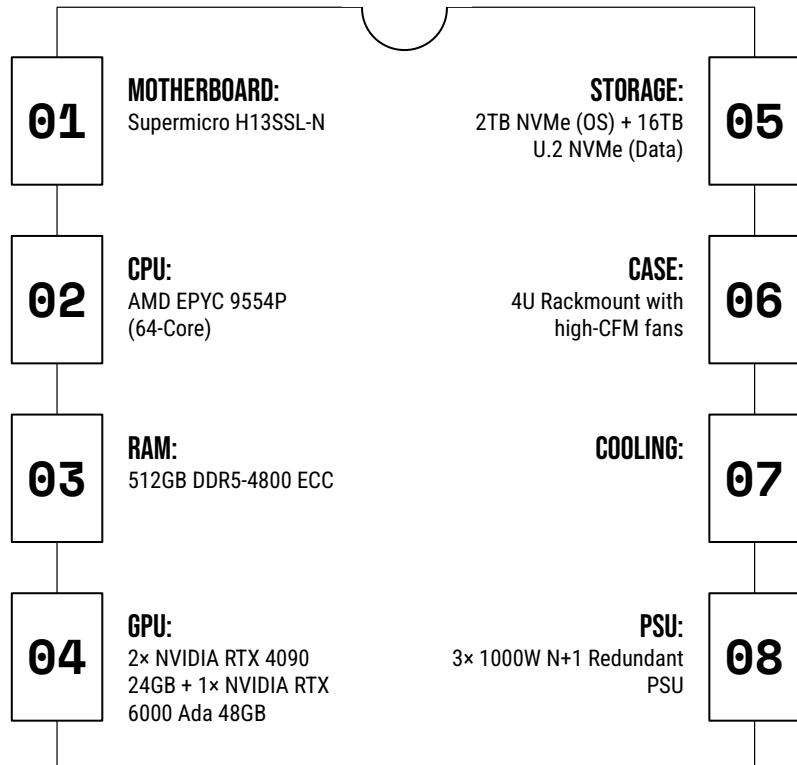
Ideal for:

Teams managing multiple projects across R&D and operations

- Supports multiple AI tasks at once
- Ultra-fast GPU and storage throughput
- Built for multi-team, multi-purpose workloads



OPTION 3 (\$20K) – “THE DEEP LEARNING ENGINE” (TRAINING-OPTIMISED)



Use case:

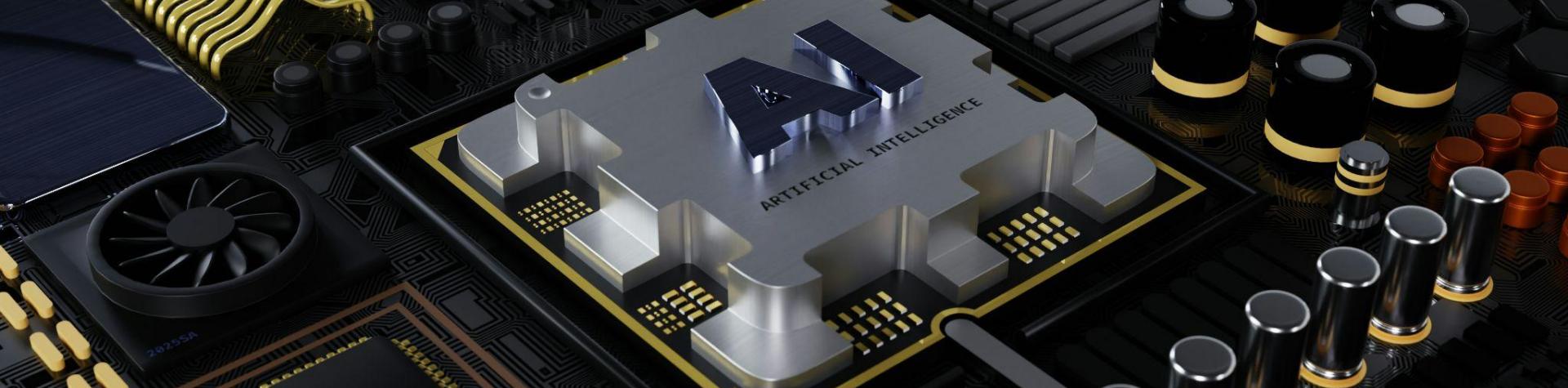
Advanced internal training at scale

Ideal for:

R&D divisions or AI research hubs

- Purpose-built for heavy training jobs
- Supports 24/7 operation with redundancy
- Enables innovation in high-volume settings





\$50K+ TIER – SUPERCOMPUTING POWER FOR AI LEADERS

Perfect For:

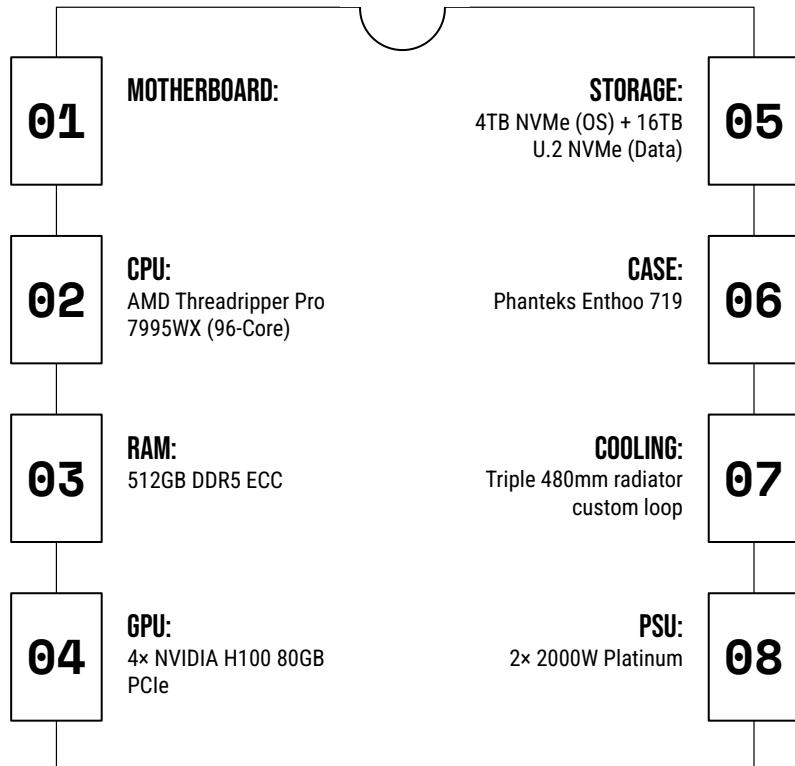
- AI companies, research institutions, and regional innovation hubs
- Organisations building or hosting custom AI models
- Projects that require full-scale model training with total control

WHAT YOU CAN ACHIEVE ON \$50K+ TIER:

- Train and serve GPT-class models in-house
- Power multiple teams and services at once
- Remove reliance on cloud costs entirely

| EXAMPLE: A REGIONAL FINANCIAL SERVICES FIRM COULD DEPLOY THIS TIER TO HOST PRIVATE AI TOOLS, REDUCING CLOUD SPEND BY 80%.

OPTION 1 (\$50K+) – “THE ENTERPRISE AI GATEWAY” (INFERENCE-OPTIMISED)



Use case:

Secure, high-volume AI access across teams

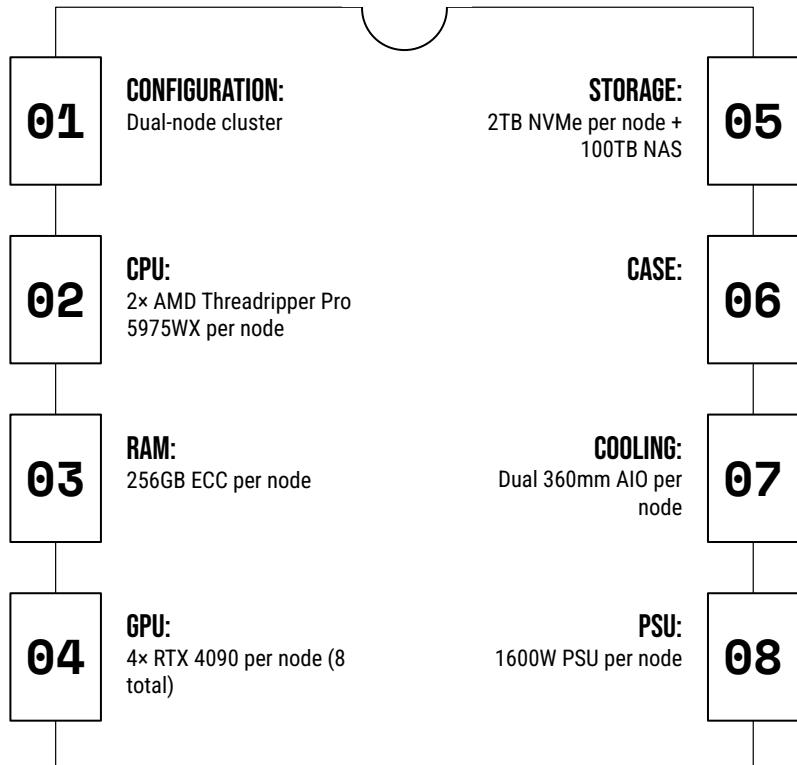
Ideal for:

Enterprises with hundreds of users accessing AI simultaneously

- Delivers AI services at cloud scale – privately
- 24/7 uptime with full redundancy
- Supports many concurrent services



OPTION 2 (\$50K+) – “THE CORE AI INFRASTRUCTURE” (BALANCED)



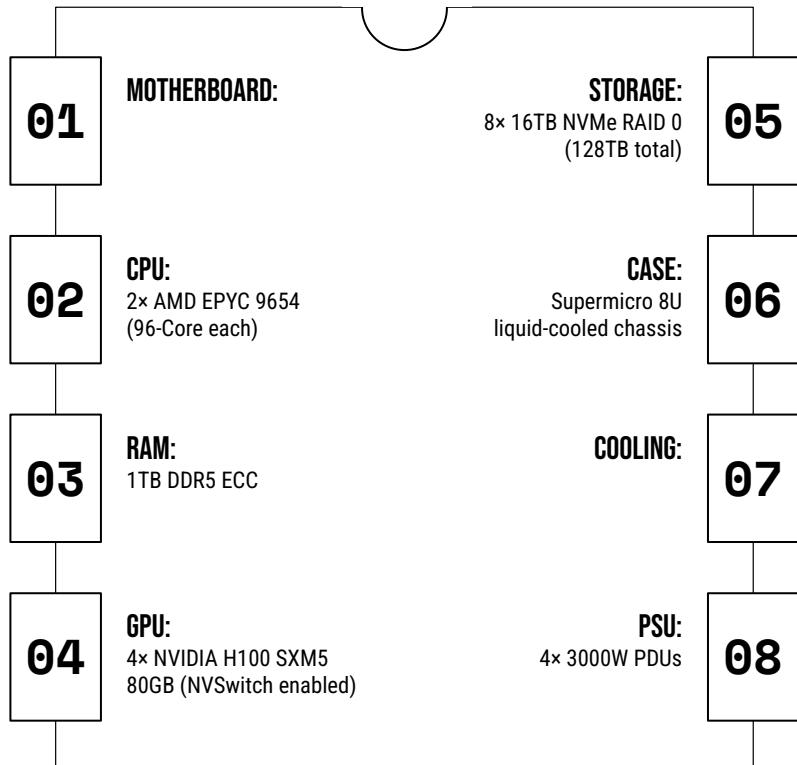
Use case:
Train and serve from the same platform

Ideal for:
Universities or businesses running AI clusters

- Multi-node setup
- Built for collaborative AI workloads
- Strong long-term investment



OPTION 3 (\$50K+) – “THE AI LAB-IN-A-BOX” (TRAINING-OPTIMISED)



Use case:

End-to-end foundation model training

Ideal for:

Research teams training their own large language models

- Matches enterprise-grade compute
- Supports 10+ researchers at once
- Eliminates long-term cloud training costs



EXAMPLE USE CASE - LOCAL BUSINESS

A Ballarat retailer adds a \$2K setup:

- Runs a chatbot that handles 80% of customer FAQs
- Summarises online reviews weekly to track sentiment
- Auto-generates social media captions

- Saves 12 hours per week
- Reduces phone support by 50%
- No ongoing cloud costs

| **AND IT ALL RUNS QUIETLY ON A PC UNDER THE COUNTER.**



NEXT STEPS – LET'S GET YOU STARTED

1. Tell us what your business needs.
2. We'll match you with a setup tier – *no jargon*.
3. You choose your pace – *we'll help you every step*.



“THE AI ERA WON’T WAIT. NEITHER WILL BALLARAT.”

CONTACT US!

DO YOU HAVE ANY QUESTIONS?

Contact: hello@brain.net.au

Learn more: [BRAIN Website \(brain.net.au\)](http://BRAIN Website (brain.net.au))



Credits: This project was developed in partnership by students from **Federation University** as part of their **Industry Project** subject, sponsored and guided by **Dr. Rob Layton** from **BRAIN**.

FINAL THOUGHTS



ARTIFICIAL INTELLIGENCE SHOULDN'T FEEL OVERWHELMING.

With the right tools, it becomes an **invisible partner** – helping your business run smarter, faster, and stronger.

Ballarat's businesses are ready to lead the way.

Let BRAIN help you get there.