# 🯭 Module: Advanced Admin Dashboard

## 🌟 Purpose

Provide the SaaS superadmin with a real-time, multi-tenant, centralized command center to:

* Monitor usage per brand
* Configure feature access and limits
* Track performance of campaigns, blogs, inboxes, and modules
* View system health, logs, and debug tools
* Trigger manual syncs, refresh jobs, quota boosts

## 💥 Key Sections & Features

### 1. 📊 Brand Overview Panel

* List of all connected brands (tenant-level summary)
  + Logo
  + Brand name
  + Website domain
  + Connected Platforms: FB, IG, Woo, Shopify
  + Tier level (Free / Pro / Enterprise)
  + Plan expiration date (if any)
* View filters:
  + Sort by activity level
  + Sort by errors
  + Sort by highest usage

### 2. 📦 Module Usage Tracker

* Per-brand and global usage stats per module:
  + Blog Generator (blogs this month, trending keywords used)
  + Inbox GPT (auto-replies triggered, handoffs)
  + Reels Auto-Suggester (videos generated, performance)
  + UGC Campaigns (live, ended, CTRs, top comments)
  + Email/SMS Campaigns (sent, open rate, click rate)
* Daily, weekly, monthly toggle
* Export CSV, JSON

### 3. 🔧 Feature Access Control (Per Brand)

* Toggle ON/OFF per module (backend enforcement)
* Set individual quotas:
  + Blog/month
  + Reels/month
  + UGC campaigns
  + Auto replies/day
* Reset/override for specific customers
* Notes/comments log for support staff

### 4. 🧪 Debug & Logs

* API call viewer with filters:
  + Brand, module, date, success/failure
* Retry queue (for failed external calls)
* GPT response trace (input, output, tokens, latency)
* Manual triggers:
  + Force sync Woo/Shopify
  + Force GPT refresh of product brain
  + Force image regeneration
* Error categorization dashboard (auto-classified logs)

### 5. 🛡️ Moderation & Compliance Tools

* Abuse filter trigger log (for UGC campaigns)
* Content flagged (by keyword or model)
* View flagged posts/comments with reason
* Manual override: Approve/Delete/Reward toggle
* GDPR tools:
  + Data export per brand
  + Usage logs of identifiable data
  + Privacy settings overview

### 6. 🚰 Superadmin Developer Panel

* API key rotator for third-party services (OpenAI, Canva, WhatsApp)
* Toggle test/staging modes
* Set global rate limits per brand/module
* Plugin manager (enable/disable external extensions)

### 7. 📥 Feedback & Issue Panel

* View reported issues from brand admins
* Assign issues to internal support agents
* AI-suggested responses for common issues
* Internal notes
* Resolution time tracking

## 🔐 Role Access

* Superadmin: Full control
* Support Admin: View only + trigger allowed tools
* Developer: Logs, retry queue, plugin configs only

## 📊 Tech Stack

* Frontend: Next.js + Tailwind Dashboard UI + Recharts
* Backend: Node.js + Express or FastAPI
* Database: PostgreSQL (brands, usage\_logs, admin\_logs, error\_logs)
* Queue: Redis / BullMQ (job retry + schedule)

## 🔗 Connected Systems

* UGC Module → Flagged comments/rewards
* Inbox Module → Auto-reply volume tracking
* AI Blog → Keywords, CTR, performance
* Email/SMS Module → Open/click/complaint stats
* Reels Builder → Uploads, success/fail logs

## 📊 Benefits

* Streamlined management of 100s of brands
* Identify stuck/inactive clients for nudging
* Real-time visibility into system usage and issues
* Internal transparency and support flow tracking

📅 This module is **required** for all SaaS owners. It is only visible to the superadmin and will serve as the mission control center of the platform.