



Empowering the Next Generation with a Smarter Campus

Transform your Institution's WiFi into a Strategic Intelligence Layer

SAFETY FIRST. COMPLIANCE ALWAYS

Managing a campus network requires more than just high speed; it requires absolute control. ShiningBot ensures your institution meets strict legal obligations while providing a safe digital environment for students and faculty.

Secure Authentication: Robust WiFi and wired authentication with granular control over bandwidth and concurrent user sessions.

Legal Compliance: Automated logging and data retention as per government norms (DPDP Act, GDPR, PDPL etc.), ensuring accountability and privacy.

Infrastructure Ready: Seamlessly integrates with industry-leading hardware to handle thousands of concurrent users across hostels and academic blocks.

DATA-DRIVEN CAMPUS MANAGEMENT

Stop guessing how your facilities are used. ShiningBot's Behaviour Analytics and Profiling solution reveals the "silent" patterns of campus life.

Movement & Utilization Insights*: See how students move through libraries, canteens, and common areas. Identify peak hours and crowded zones to optimize timetables and facility allocation.

Student Engagement Profiling: Understand visit frequency and dwell times. Identify underutilized resources and design initiatives that match actual student behaviour.

Real-Time Dashboards: Digital dashboards provide management with evidence-based data for infrastructure investments and safety planning.

BEYOND CONNECTIVITY: A DIGITAL TOUCHPOINT

Turn every login into an opportunity to connect and improve.

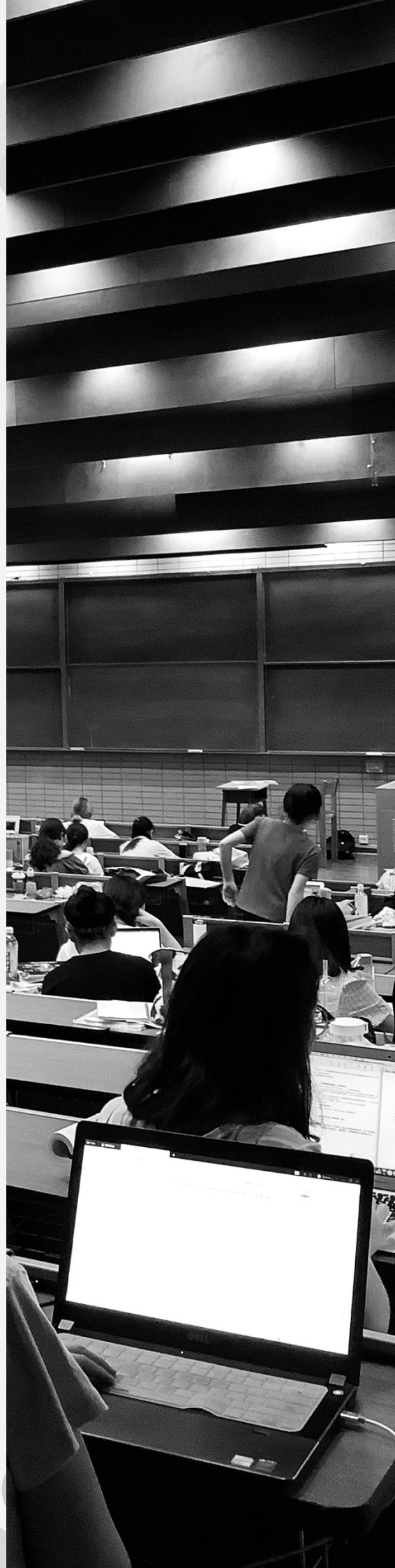
Targeted Communication: Use the captive portal for academic reminders, event promotions, and notification messages.

Natural Flow Feedback: Our state-of-the-art algorithm conducts dynamic, adaptive "interviews" instead of static surveys. Drill down into the root cause of issues—from hostel maintenance to canteen quality.

Integrated Task Management: Automatically convert feedback into traceable tasks with a 4-level escalation matrix, ensuring campus issues are resolved in record time.

Digital Signage: For campus or guest housing, deliver messages and QR-based WiFi authentication directly on the TV screen.

* Subject to Technical Feasibility from WiFi Access Points & Controllers.



Technical Specifications

Product Features	Models		
	SB05K1-GW	SB05K2-GW	SB10K1-GW
Concurrent Users without URL Tracking	5000	5000	10000
Concurrent Users with URL Tracking	2500	2500	5000
Hardware Configurations			
Architecture	ARM 64bit	ARM 64bit	ARM 64bit
CPU	AL73400	AL73400	AL73400
CPU Core Count	16	16	16
CPU Threads Count	16	16	16
CPU Clock Frequency	2.0 GHz	2.0 GHz	2.0 GHz
RAM	16 GB	16 GB	16 GB
Storage	128 MB	128 MB	128 MB
Storage Type	NAND	NAND	NAND
Additional Storage M.2 slots	1	1	2
Interface			
SFP Ports (SFP+ [10g]/SFP28 [25g]/QSFP28 [100g])	4 / 0 / 0	0 / 12 / 2	0 / 12 / 2
RJ45 Ports (10/100/1000)	13	1	1
Console Port - RJ45 Type Interface	1	1	1
SFP WAN (SFP+ [10g]/SFP28 [25g]/QSFP28 [100g])	2 / 0 / 0	0 / 3 / 1	0 / 3 / 1
RJ45 WAN Gigabit Port	2	0	0
RJ45 Management Gigabit Port	1	1	1
SFP LAN (SFP+ [10g]/SFP28 [25g]/QSFP28 [100g])	1 / 0 / 0	0 / 4 / 0	0 / 4 / 0
RJ45 LAN Gigabit Port	5	0	0
SFP Guest (SFP+ [10g]/SFP28 [25g]/QSFP28 [100g])	1 / 0 / 0	0 / 5 / 1	0 / 5 / 1
RJ45 Guest Gigabit Port	5	0	0
Dimensions & Power			
Length/Depth/Height in mm	443 x 199 x 44	443 x 367 x 44	443 x 367 x 44
Form Factor	Rackmount	Rackmount	Rackmount
Power Consumption (Typical/Maximum)	60 W / 83 W	80 W / 120 W	80 W / 120 W
AC Input Range	100 – 240	100 – 240	100 – 240
Dual Redundant Power Supply	Yes	Yes	Yes
Operating Environments & Certifications			
Tested Ambient Temperature	-20° to +60° C	-20° to +60° C	-20° to +60° C
Cooling Type	4 fans	4 fans	4 fans
Certifications	CE, EAC, RoHS	CE, EAC, RoHS	CE, EAC, RoHS
IP Rating	20	20	20
MTBF in hours at 25° C	200,000	200,000	200,000
CPU Temperature Monitor	Yes	Yes	Yes
PCB Temperature Monitor	Yes	Yes	Yes
Voltage Monitor	Yes	Yes	Yes

* Specifications are subject to change without notice. Discuss with your ShiningBot representative for recent specifications.

BRIDGING THE GAP BETWEEN THEORY AND PRACTICE

At ShiningBot, we firmly believe that empowering the next generation is the most vital component of our Corporate Social Responsibility (CSR). Our mission is not just to succeed commercially, but to use our resources and expertise to drive positive societal change. This commitment is best exemplified by our strategic investment in academic institutions.

Fuelling Academic Excellence: By providing cutting-edge Technology Training, and Real-time access to big data, we are equipping students with the same professional-grade tools used in the industry today. This bridges the gap between theoretical knowledge and practical, real-world application, making graduates job-ready.

Driving Innovation and Research: Faculty and students gain the power to conduct high-level research on essential tools. This accelerates discovery in areas critical to the community's future, such as Data Analytics and Artificial Intelligence.

Promoting Equity and Access: This initiative ensures that access to high-cost resources is no longer dependent on a student's economic background, promoting fairness and diversity within the academic community.

For Campus Agreement and to know more about this program, contact us at: f3@shiningbot.com



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