

– 32 SIP ACCOUNTS / MANAGEMENT BUSINESS IP PHONE

A48WAC

The A48WAC is a 32 SIP account management-level business IP phone with a 3.2" colour TFT screen, dual-band Wi-Fi (2.4GHz + 5GHz), Gigabit Ethernet, and PoE support. Built for managers seeking excellent voice quality, Wi-Fi flexibility, and comprehensive enterprise features.

32 SIP Accounts | 3.2" TFT Colour | Wi-Fi 2.4G + 5G | Gigabit + PoE



UNIT – A48WAC

01 OVERVIEW

The ATCOM A48WAC is a flagship of the A48 series — a manage-level, high-quality business IP phone designed for enterprise managers and team leaders. Featuring 32 SIP accounts, a 3.2" TFT colour display, dual-band 802.11ac Wi-Fi (2.4GHz + 5GHz) with 5dB high-gain antenna, 9-way local conferencing, and ZRTP encryption, the A48WAC combines elegant design with top-tier audio performance. With AET colour console expansion, EHS headset support, and broad PBX compatibility, it delivers the full suite of management-level features in a sleek, professional form factor.

02 WHY CHOOSE A48WAC

WHY/01 Elegant Management Design

Unique and elegant design with exquisite workmanship and superb appearance — purpose-built for executive desks.

WHY/02 Dual-Band Wi-Fi (2.4G + 5G)

802.11ac dual-band with 5dB high-gain antenna for strong, stable wireless connectivity across the enterprise.

WHY/03 World-Class Audio Quality

Top electro-acoustic design with professional DSP processing and 3W full-range speaker for crystal-clear calls.

WHY/04 9-Way Local Conferencing

Host up to 9-party conferences directly from the phone — ideal for team meetings and management calls.

WHY/05 ZRTP Voice Encryption

Higher-level call security via ZRTP alongside TLS, SRTP, and HTTPS for complete enterprise-grade protection.

03 KEY FEATURES

◆ 32 SIP accounts, 4 line keys	◆ 3.2" TFT colour LCD, 462×278
◆ Dual-band Wi-Fi 2.4GHz + 5GHz (802.11ac)	◆ 5dB high-gain Wi-Fi antenna
◆ Gigabit dual Ethernet + PoE	◆ 9-way local conferencing
◆ 8 DSS keys (BLF/BLA support)	◆ AET colour expansion module supported
◆ EHS headset (Jabra, Sennheiser, Plantronics)	◆ ZRTP + TLS + SRTP encryption
◆ 24 programmable keys	◆ Auto provision (PnP, RPS, TR069)

04 TECHNICAL SPECIFICATION

DISPLAY & BASIC		DISP
SCREEN	3.2" TFT LCD, 462×278 pixels, colour, full view	
SIP ACCS	32 SIP accounts	
CONF	Local 9-Way Conferencing	
PHONEBOOK	Local up to 1,000 contacts	
CALL LOG	400 total (dialed/received/missed/forwarded)	
EXT MODULE	Colour AET expansion console supported	
EHS HEADSET	Jabra, Sennheiser, Plantronics	
KEYS		KEY
STATUS IND.	1 Status Indicator	
LINE KEYS	4 Line keys	
SOFT KEYS	4 Soft keys	
NAV KEYS	5 Navigation keys	
FUNC KEYS	8 Function keys (Menu, Cancel, Hold, Voicemail, Mute, Headset, Hands-free)	
BLF KEYS	8 BLF DSS keys	
PROG KEYS	24 programmable keys total	
CALL FEATURES		CALL
BASIC	Call Forward, Transfer, Waiting, Hold, Auto Answer, Redial, Mute, DND	
CONF	Local 9-Way Conferencing, Speed Dial, Voice Mail, Hotline	
IP PBX	Intercom, Paging, Call Pickup, Call Park, Anonymous Call, Call Recording	
GROUP	Group Pickup, DND & Call Forward State Synchronization	
AUDIO FEATURES		AUD
CODECS NB	G.711(a/μ), G.729A/B/AB, G.726, iLBC	
CODECS WB	G.722, L16	
FEATURES	VAD, CNG, AEC, PLC, AJB, AGC, Full-duplex speakerphone with AEC	
RINGTONES	10 (own + custom), 8-level volume adjustable	
SPEAKER	3W high-power full-range speaker	
WI-FI FEATURES		WIFI
BAND	Dual-band: 2.4GHz (802.11n) + 5GHz (802.11ac)	
ANTENNA	5dB high-gain antenna	
QOS	IEEE 802.11e QoS enhanced support	
SECURITY	IEEE 802.11i, WPA/WPA2-Enterprise, 802.1X EAP-PEAP	
NETWORK FEATURES		NET
IP	IPv4 & IPv6, VLAN, LLDP, CDP, OpenVPN, IEEE 802.1X	
QOS	IEEE 802.1Q/p VLAN tagging, Layer 3 QoS (ToS, DiffServ, MPLS)	
SIP	Proxy mode, Peer-to-Peer, DNS SRV (RFC3263)	

DTMF	In-band, RFC2833, SIP INFO
OTHER	STUN NAT Traversal, RPORT, HTTP/HTTPS web server, syslog

SECURITY		SEC
PROTOCOL	TLS, HTTPS, SRTP (RFC3711), ZRTP	
AUTH	Digest authentication MD5/MD5-sess	
ENCRYPT	AES encryption for configuration files	
ACCESS	Phone lock, Admin/User level access control	

MANAGEMENT		MGT
PROVISION	FTP/TFTP/HTTP/HTTPS, DHCP Option 66/128–254, PnP, RPS, TR069	
CONFIG	Web interface / phone UI, Import/Export CFG, Periodic update	

PHYSICAL		PHY
POWER	DC 5V–2A, PoE IEEE 802.3af Class 2	
PORTS	2× RJ45 Gigabit Ethernet, 1× RJ45 expansion, 1× RJ9 headset, 1× RJ9 handset	
TEMP	Operating: -10 – 50°C, Humidity: 10 – 90%	

PACKAGE & CERTIFICATIONS		PKG
QTY	10 PCS / carton	
WEIGHT	13 KG (G.W.)	
GIFTBOX	325 × 210 × 80 mm	
CARTON	425 × 415 × 345 mm	
CE	EN60950, EN50332, EN300328 V1.9.1	
FCC	Part 15, Part 15.247	

PBX COMPATIBILITY		PBX
PLATFORMS	Broadsoft, Asterisk, Elastix, Trixbox, Freeswitch, Huawei, Avaya, Mitel, Unify, ZTE, Epygi	

— 16-KEY BLF CONSOLE / 4.3" COLOUR LCD EXPANSION MODULE

ATCOM AET

The ATCOM AET is a 16-key BLF expansion console with a 4.3" colour LCD display, designed for use with ATCOM A41, A41W, A48, A48W, A48WAC, A68, A68W, and A68WAC IP phones. It displays subscriber status and photographs directly on-screen, with support for up to 5 AET consoles connected to a single phone.

16 BLF Keys | 4.3" Colour LCD | 480×272 Display | Up to 5 per Phone



UNIT — ATCOM AET

01 OVERVIEW

The ATCOM AET expansion console is compatible with ATCOM A41x, A48x, and A68x series phones. Equipped with a 4.3" colour LCD (480×272), it displays the status and photographs of registered contacts (pre-loaded into the phonebook or synchronized via LDAP). A tri-colour LED on each key provides instant visual status indication. The AET is powered directly by the host phone and configured through its own independent Web interface, making it ideal for receptionists, call center agents, and executive assistants who need fast access to multiple contact lines.

02 WHY CHOOSE ATCOM AET

WHY/01 Colour Contact Display

4.3" colour LCD (480×272) shows subscriber name, photo, and status at a glance — no need to memorize extension numbers.

WHY/02 Scrollable Contact List

Browse all registered contacts directly on the console screen, supporting up to 44 programmable actions across 16 keys.

WHY/03 Tri-Colour LED per Key

Each of the 16 programmable keys features a three-colour LED for immediate visual status indication (available, busy, ringing).

WHY/04 Phone-Powered Design

Draws power directly from the connected phone — no external adapter required, reducing cable clutter on the desk.

WHY/05 Independent Web Interface

Configure all BLF keys, labels, and settings via the AET's own dedicated web interface without touching the host phone.

03 KEY FEATURES

◆ 16 programmable BLF keys	◆ Up to 44 programmable actions
◆ 4.3" colour LCD, 480×272 resolution	◆ Tri-colour LED on every key
◆ Contact name, photo & status display	◆ Scrollable contact list
◆ Powered by host phone (no adapter)	◆ Up to 5 consoles per phone
◆ 2-port Ethernet switch per module (LAN/PC)	◆ LDAP photo synchronization
◆ Independent Web configuration interface	◆ Compatible: A41x, A48x, A68x series

04 TECHNICAL SPECIFICATION

DISPLAY		DISP
SCREEN	4.3" TFT colour LCD	
RESOLUTION	480 × 272 pixels	
INFO SHOWN	Subscriber name, photo, call status	
KEYS & LEDS		KEY
PROG KEYS	16 programmable BLF keys	
ACTIONS	Up to 44 programmable actions	
LED	Tri-colour LED per key (available / busy / ringing)	
CONNECTIVITY		CONN
ETHERNET	2-port switch per module — 10/100TX (LAN, PC)	
EXPANSION	Up to 5 AET consoles per host phone	
COMPATIBLE	ATCOM A41, A41W, A48, A48W, A48WAC, A68, A68W, A68WAC	
CONTACTS & INTEGRATION		CONTACTS
PHONEBOOK	Photo display from phonebook or LDAP sync	
NAVIGATION	Scrollable contact list on console screen	
MANAGEMENT		MGT
CONFIG	Independent Web interface per console	
MAC SETUP	Enter console MAC address in phone's web UI to activate	
PHYSICAL		PHY
POWER	5V, 2A supply (included) / powered from host phone	
STORAGE TEMP	-40 – +70 °C	
OPERATING TEMP	-10 – +50 °C	
HUMIDITY	10 – 95%	
PKG DIMENSIONS	150 × 210 × 140 mm	