ADM-1815BP-MICROBOX-6824A

01 / Product identity and system role

ARISTA ADM-1815BP-MICROBOX-6824A is an offered combination of the ADM-1815BP display and a separate MicroBox-6824A embedded computer. The supplied photographs show the MicroBox-6824A nameplate and its external connectors; the display identity is the user-confirmed combination designation.

Two-part exchange

Check display and computer identity separately on receipt

Panel fit

Confirm the display option and installed sealing arrangement

Computer handover

Retain the application image and peripheral configuration

Integration proof

Test power, video, operator input and host communications together

Installed-system boundary

The panel display and MicroBox computer use separate physical housings and connect through installed power, video, input and field-peripheral wiring.

Evidence scope

ADM display values are scoped to the OEM ADM-1800AP series manual; MicroBox values are scoped to its photographed nameplate. Neither source specifies the exact combination wiring, installed application image or bundled accessories.

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02 / Technical characteristics

Display designation	ADM-1815BP per user-confirmed combination
Display panel class	15.0-inch TFT for ADM-1815 series
Display mounting	Panel, VESA or rack options in series manual
Display enclosure condition	NEMA 4/IP65 when correctly installed in rated enclosure; display only
Computer supply rail 1	12 V DC at 2 A on photographed nameplate
Computer ambient	Maximum 50 °C on photographed nameplate
Display series	ADM-1800AP; exact ADM-1815BP appears in OEM declaration
Display native resolution	1024 × 768 for ADM-1815 series
Display ambient	0 to 50 °C in series manual
Computer nameplate	MicroBox-6824A
Computer supply rail 2	5 V DC at 3 A on photographed nameplate
Computer video/network	VGA and LAN sockets visible

Configuration detail

The Arista ADM-1800AP Series User Manual names ADM-1815BP in its declaration and lists ADM-1815 as a 15.0-inch TFT, 1024 × 768 member of the display series. The suffix-specific display option and supplied panel configuration should be confirmed against the actual display label before transfer.

What power evidence applies to ARISTA ADM-1815BP-MICROBOX-6824A?

The photographed MicroBox-6824A nameplate specifies 12 V at 2 A and 5 V at 3 A DC. The display has its own supply requirements in the ADM manual; verify both harnesses separately.

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03 / Interfaces and application

Computer USB/serial	USB-A and COM-labelled ports visible	**Computer legacy ports**	PRINTER and KB/MS legends visible
Computer audio	LINE OUT, MIC and LINE IN legends visible	**Computer origin mark**	Assembled in USA on photographed nameplate
Computer date mark	December 2009 on photographed nameplate		

The photographed MicroBox label states model MicroBox-6824A, 12 V at 2 A and 5 V at 3 A DC, maximum 50 °C ambient, assembled in USA and a December 2009 manufacturing date. The visible computer ports include VGA, LAN, USB, serial COM, PRINTER, KB/MS and audio sockets; photograph and label their original cables.

Panel display service

Use the ADM-1800AP display mounting and environmental guidance only for the display half of the assembly.

Embedded application host

The MicroBox supplies the installed computing role; preserve its storage image, communication configuration and external device map.

Video and input integration

Verify the display-to-computer VGA and touch/input cable arrangement present in the cabinet before exchange.

Controlled station replacement

Test both components together with the actual controller/network, serial devices and operator application.

Does the ADM-1815BP rating protect the whole ARISTA ADM-1815BP-MICROBOX-6824A assembly?

No. The ADM manual conditions the display enclosure rating on proper installation in a rated enclosure. It does not state an ingress rating for the separate ventilated MicroBox computer.

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04 / Installation and operating checks

Separate the two identities

Do not use the MicroBox nameplate as proof of ADM display suffix options; check each component independently.

Verify both supply rails

Confirm polarity and separate 12 V and 5 V rails against the MicroBox nameplate and installed harness.

Protect display mounting

Apply any front ingress rating only after following the ADM manual and verifying the actual panel seal.

Preserve the image

Back up the computer storage, application and licensed software under the site procedure.

Trace interface cables

Label VGA, input/touch, LAN, USB, COM, printer and audio cables before disconnecting.

Prove complete operation

Check display, operator input, host communication and peripherals after mechanical and electrical fit-up.

Commissioning decisions

How are the two parts of ARISTA ADM-1815BP-MICROBOX-6824A identified?

ADM-1815BP is the confirmed display designation and is named in the Arista display manual. The supplied computer nameplate reads MicroBox-6824A. Match both component labels before treating the pair as a replacement assembly.

Which ADM display data apply to ARISTA ADM-1815BP-MICROBOX-6824A?

The OEM ADM-1800AP manual lists ADM-1815 as a 15-inch TFT with 1024 × 768 resolution and identifies ADM-1815BP in its declaration. Confirm suffix-specific fitted options on the actual display.

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05 / Service and acceptance

Which cable map must be retained for ARISTA ADM-1815BP-MICROBOX-6824A?

Record display video and any operator-input links, then every MicroBox LAN, USB, COM, printer, audio and power connection. Use the installed drawing to distinguish port assignment from connector appearance.

How should the software of ARISTA ADM-1815BP-MICROBOX-6824A be handled?

Capture the MicroBox storage and application image, licenses, network settings and serial configuration before exchange. Neither the display manual nor exterior computer label defines the deployed software.

What temperature check applies to ARISTA ADM-1815BP-MICROBOX-6824A?

The ADM series manual gives a display operating range to 50 °C; the photographed MicroBox label states maximum 50 °C ambient. Confirm cabinet temperature and ventilation for both enclosures.

What tests finish ARISTA ADM-1815BP-MICROBOX-6824A commissioning?

Verify correct component identities, supply rails, display image and input, application boot, network/serial communication and all required peripherals. Record the as-left cable and software versions.

Handover evidence

The ADM manual describes panel/VESA/rack mounting options and a front enclosure rating only when the display is properly installed in a rated enclosure. It does not establish the ingress protection of the MicroBox or the complete combined assembly. Verify display-to-PC cables, mounting and cooling in the actual installation.

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