The ready-made device for the control cabinet

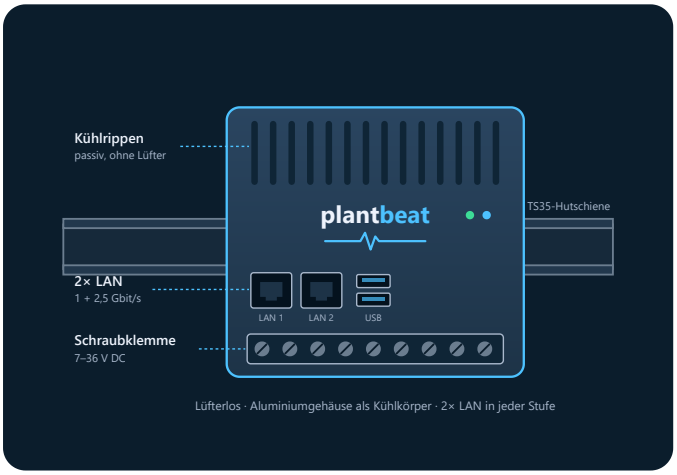
Edge gateway for S7 plants, with PlantBeat and licence preinstalled. Wire it to the 24 V cabinet supply, plug in LAN, enter the IP of your S7, and the machine is live: dashboards, history, alarms and maintenance, locally in your plant.

10 Min
from PLC to live dashboard

7–36 V DC
straight from the 24 V cabinet supply, no power supply unit

2× LAN
in every tier, for a separate PLC network

0 fans
passively cooled, aluminium housing as heat sink



On a TS35 DIN rail (diagram).

BUILT FOR THE CONTROL CABINET

DIN rail

TS35 rail or VESA, DIN rail adapter included. Approx. 136 × 92 × 40 mm.

Powered from the cabinet

7–36 V DC via screw terminal, typically 24 V. No power supply unit needed. One for desk use is included.

Wired only

No Wi-Fi, no Bluetooth, no cellular. The Box talks only through its two LAN ports.

TIERS

	Box S · Machine	**Box M** · Line STANDARD	**Box L** · Plant
Use	Single machine: a few values every second, short history	Standard line: all data records and dozens of fast values, Wall mode	Large data volumes: many values every second, long history
RAM	4 GB	8 GB	16 GB
PlantBeat AI in development	–	✓	✓
SSD (NVMe)	500 GB	1 TB	2 TB
Licence	PlantBeat One	PlantBeat One	PlantBeat One

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TECHNICAL DATA

Device	Edge gateway for S7 plants, fanless, for the DIN rail
Platform	ARM64 industrial module, 4 cores, 2.4 GHz. Availability of the processor module has been announced until at least 2036 (statement by the module manufacturer, not a commitment by us).
RAM	4 / 8 / 16 GB LPDDR4X (tier S / M / L)
Storage	500 GB / 1 TB / 2 TB NVMe SSD (M.2). The system boots from the SSD, no memory card.
Network	2× LAN in every tier: 1× Gigabit + 1× 2.5 Gigabit, for a separate PLC network
Wireless	none: no Wi-Fi, no Bluetooth, no cellular. Connected via LAN only
Ports	USB 3.2 Gen1 + USB 2.0, HDMI (4K), screw terminal for power
Cooling	passive: aluminium housing as heat sink, no fan
Mounting	TS35 DIN rail (EN 60715), alternatively VESA
Power	7–36 V DC via screw terminal, typically 24 V straight from the cabinet supply; no power supply unit needed
Dimensions	approx. 136 × 92 × 40 mm (W × D × H)
Software	PlantBeat preinstalled, hardened Linux, starts as a system service. Licence: One included, upgrade to Site available; expansion Box for Site customers without a licence of its own.
PLC connection	Siemens S7-1200/1500 symbolic (including TLS-secured CPUs); S7-300/400 and LOGO! 0BA8 with addresses. Direct, no OPC server and no agent on the PLC.
Operation	in the browser, from any PC on the network; Wall mode for shop-floor monitors (control widgets stay operable in it; for openly accessible monitors use a dashboard without control widgets)
Scope of delivery	Box with PlantBeat and licence preinstalled, terminal plug, DIN rail adapter and screws, 12 V power supply (EU plug) with adapter cable to the terminal. 2-year warranty from delivery.

Box only

- Remote support access, only when you request it
- Set time and time server in the browser

Your data stays in the plant

History, alarms and dashboards are stored locally on the box. No cloud lock-in, no recurring fees. Data only leaves your network if you request support or connect smartlife BI.

Which box fits?

Tell us how many values you want to record and how often. We recommend the right tier and send you a written quote.

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