GRIT Industrial Hub

Rack-mount GRIT Hub with every GRIT Hub Pro feature. Fully wired or radio-equipped.



Elevated front view



Touchscreen close-up



PROCESSOR

Intel Celeron J6412

4 cores · 2.00 GHz base · up to 2.60 GHz

MEMORY

8 GB DDR4-3200

STORAGE

128 GB M.2 SSD

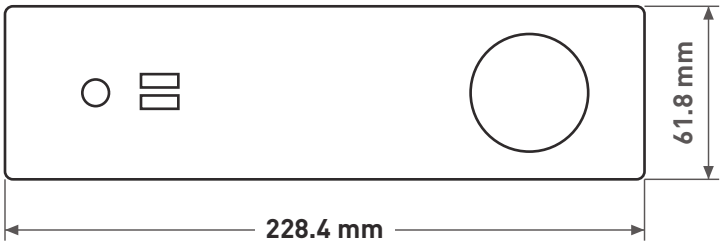
Optional four-port RS-485 GRIT Wired Mesh panel. Optional built-in GRIT Mesh radio and 5G cellular.

Includes all GRIT Hub Pro features, including GRIT Track badge access and asset tracking. Fully wired builds have no radios.

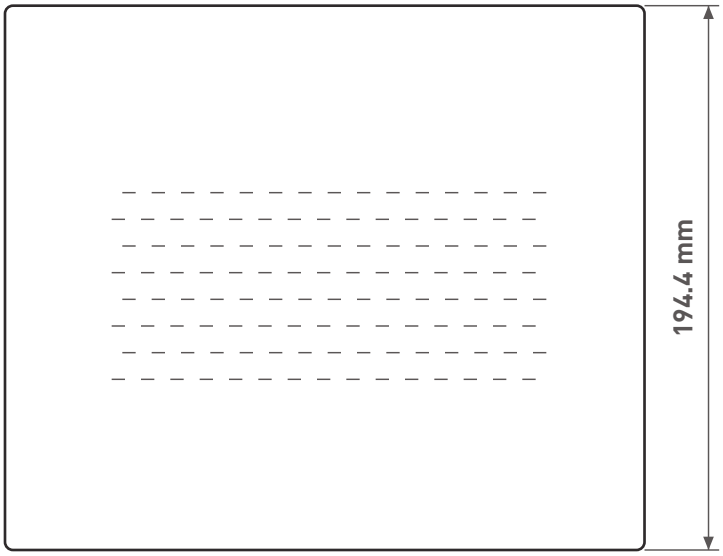
Enclosure dimensions

228.4 mm wide × 194.4 mm deep × 61.8 mm high

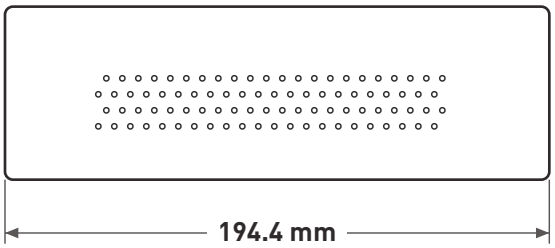
FRONT



TOP



RIGHT SIDE



Dimensions in millimeters. Drawings show the enclosure body.

Leave clearance at the vents and rear connectors.

Rack and facility installation

Install the Industrial Hub in a server room or network closet. Put the Mesh Xtndr near the equipment it serves, where radios are permitted.



RACK MOUNTING

Occupies 2U in a standard 19-inch rack.
Allow depth for the 194.4 mm chassis, rear connectors, and cable bends.

BOLT TO THE RAILS

Purpose-built side extensions bolt to the chassis and fasten to the rack rails. Leave clearance around the vents.

SHELF OR WALL MOUNT

For shelf mounting, secure the Hub to a vented shelf. Use the enclosure's side tabs for wall mounting. Leave clearance around the vents and at the rear.

ON-SITE AUTOMATION

The Industrial Hub runs every GRIT Hub Pro feature: zone-based dust collection, GRIT Track badge access and asset tracking, machine activity records, and facility monitoring with compatible GRIT devices.

Network configurations

Choose where the radios go and how the Hub reaches your equipment.



Industrial Hub
Server room

GRIT Mesh Xtndr
Where radios are permitted

GRIT field devices
Triggers, gates, sensors

Fully wired

Facility Ethernet + optional RS-485 GRIT Wired Mesh

Order the Hub with no wireless RF hardware, including a radio-free display. Wire compatible equipment to GRIT Wired Mesh with the optional four-port RS-485 panel.

Wireless at the equipment

Facility Ethernet (IP network) + local Mesh Xtndr

The Hub and an Ethernet-capable Mesh Xtndr communicate over the facility IP network. The Xtndr provides the GRIT Mesh link to nearby devices.

Built-in GRIT Mesh

Optional Hub radio + GRIT Mesh

Where radios are permitted at the Hub, add the built-in GRIT Mesh radio to reach compatible field devices.

5G cellular

Optional cellular connection for the Hub

Add 5G where a cellular uplink is needed and permitted. Field devices connect through one of the options above.

Separate sites

GRIT Tunnel + a Mesh Xtndr at the remote site

Connect a remote Mesh Xtndr over GRIT Tunnel ($5/month) when the facility LAN does not reach that site. Field devices connect over the local GRIT Mesh.