UpStation

Design **UPS-DSN-20261103-BKCU**
Prepared 2026-11-03 · prices as of 2026-11-03
Prepared for **Example SaaS Co** · —

Rack elevation and power — budgetary design, not a quote

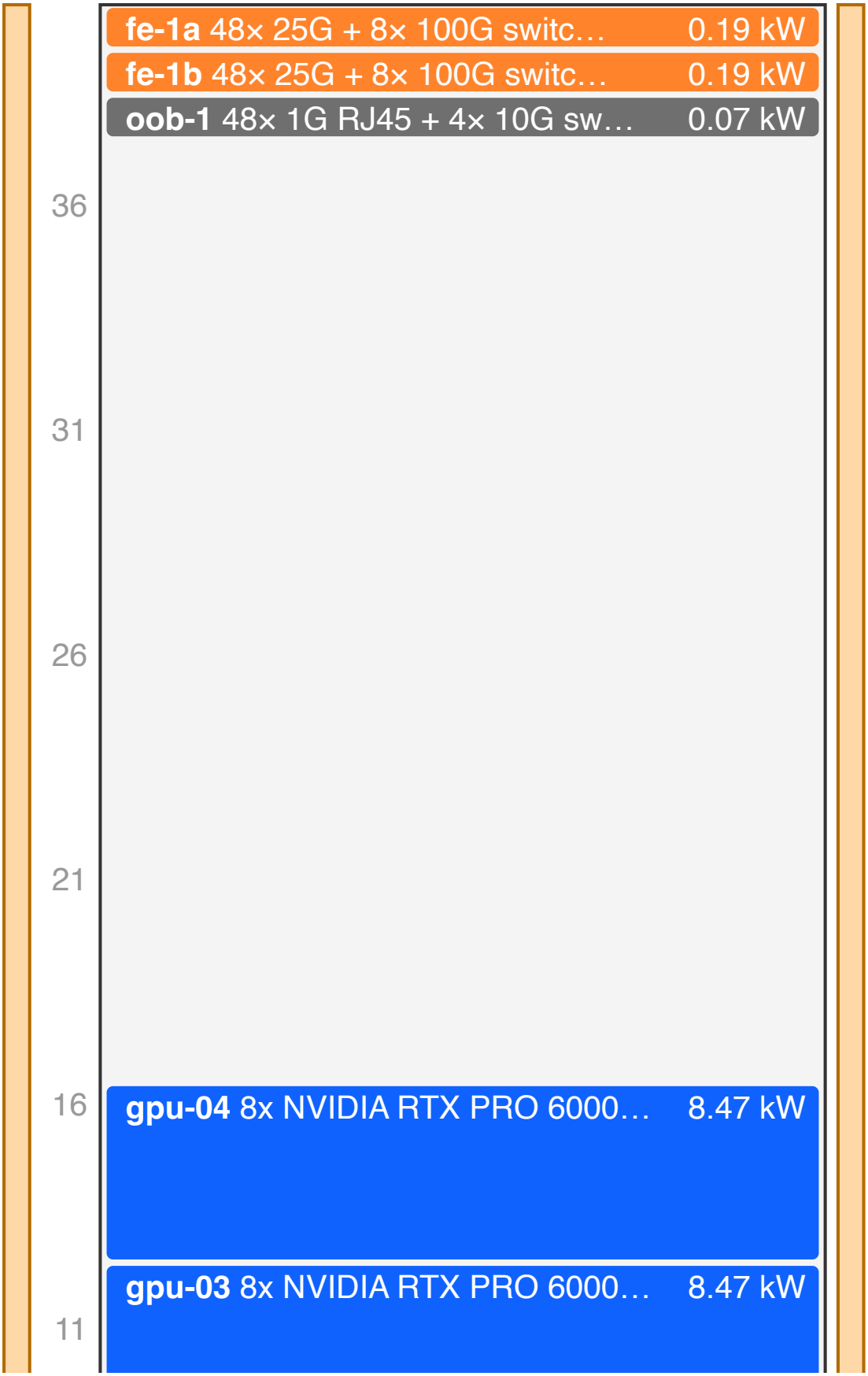
4× 8-GPU RTX PRO 6000 inference farm (32 GPUs), Texas colo

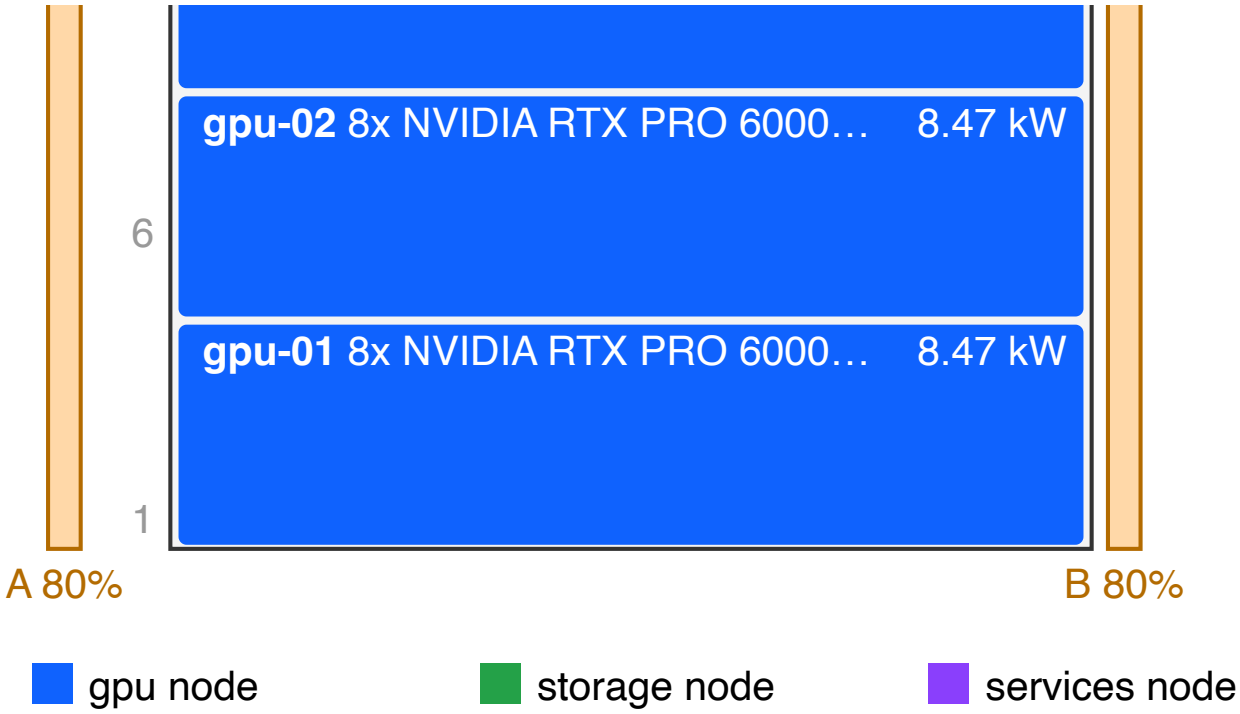
34.33 kW provisioned (nameplate ÷ 0.8) across the racks below, each held to 40 kW. Each rack takes an A and a B feed; either one alone carries the whole rack.

Rack elevation

Compute 1

19/40 U · 34.33 kW · 1× 415V 3-ph 60A A+B





Power per rack

Rack	Space	Provisioned	Circuits (A+B)	Load per feed	Cords per feed
Compute 1	19/40 U	34.33 kW	1× 415V 3-ph 60A	80%	19

Colocation by location

Location	$/kW/month	Per month	Term total	Sales tax	Property tax
Montana	$260	$8,926.00	$321,336.00 (36 mo)	none	none on the first $1M of equipment, about 0.8%/yr above
Texas (this design)	$225	$7,724.00	$278,064.00 (36 mo)	8.25% (6.25% state + local); the data-center exemption needs $200M and 20 jobs	about 2.2%/yr of market value
Oregon	$175	$6,008.00	$216,288.00 (36 mo)	none	about 1.5-2%/yr of market value (ORS 308.290); abatements closed to data-center property since 2026
Pennsylvania	$250	$8,582.00	$308,952.00 (36 mo)	6% (8% Philadelphia, 7% Allegheny), or none if the facility is state-certified and the tenant holds its own exemption certificate (100 kW+, 2-year contract) before buying	none
Canada (Ontario, Quebec)	$225	$7,724.00	$278,064.00 (36 mo)	HST 13% (Ontario) or GST+QST (Quebec) on hardware and colo, recovered as an input tax credit by a registered business	none

How it was laid out

1. GPU nodes per 40 kW rack = min(floor(40 U ÷ 4 U), floor(40 ÷ 8.47 kW)) = 4 (power binds).
2. Compute 1: 19 U, 34.33 kW provisioned → 1 × 415V 3-ph 60A circuit pair (A+B), 80% of each feed; 19 power cords per feed.

Devices

Rack	U	Name	Device	RU	kW	PSUs
Compute 1	40	fe-1a	48× 25G + 8× 100G switch — front-end pair, MLAG	1	0.19	2
Compute 1	39	fe-1b	48× 25G + 8× 100G switch — front-end pair, MLAG	1	0.19	2

Compute 1	38	oob-1	48× 1G RJ45 + 4× 10G switch — OOB	1	0.07	2
Compute 1	13	gpu-04	8x NVIDIA RTX PRO 6000 Blackwell Server Edition	4	8.47	8
Compute 1	9	gpu-03	8x NVIDIA RTX PRO 6000 Blackwell Server Edition	4	8.47	8
Compute 1	5	gpu-02	8x NVIDIA RTX PRO 6000 Blackwell Server Edition	4	8.47	8
Compute 1	1	gpu-01	8x NVIDIA RTX PRO 6000 Blackwell Server Edition	4	8.47	8

Assumptions

- GPU server: 8x NVIDIA RTX PRO 6000 Blackwell Server Edition, Intel (UPS-GPU-RTXPRO-8), the default PCIe line (proposed)

Next step. Book the intro (https://calendly.com/alecglover/intro-call) or email alec@upstation.io with the design ID; UpStation validates the design and introduces the supplier that fits.

Prepared by UpStation from public supplier prices published at ai.upstation.io (prices as of 2026-11-03). Budgetary only: the supplier confirms price, availability and lead time on order. UpStation does not resell; buyers transact directly with the supplier. alec@upstation.io