

How many cables are needed per household for a 12-core fiber optic cable



Overview

IBDN standard suggests using 12-core cables for communication rooms within buildings and 24-core cables for main distribution rooms, which can serve as a practical starting point for your selection. Manufacturers commonly offer cables in multiples that simplify manufacturing and management: low-count options (2, 4, 6, 12) for simple duplex or small distribution runs; medium trunk sizes (24, 48, 72) for enterprise backbones and campus links; and high-density cores (144, 288, 432, 864+) for. The total number of cores for a 1pc fiber patch cable is calculated as the number of branches multiplied by the number of cores per branch (if there are no branches, the number of branches = 1). Of course, this is a general situation, and specific words may consider according to the following criteria. Number of wiring points and switches. This post will guide you through understanding fiber optic cores and selecting the perfect cable for your needs. Understanding Fiber Cores: Core: The central glass fiber that transmits light signals. Single-mode: A single core for long-distance, high-bandwidth applications (common for internet. How many fibers do you need in

your cable?

What length does the cable need to be?

What connectors do you need?

How long do the breakout legs need to be?

Do you need a pulling eye?

What Type of Fiber Do You Need?

The first question our team will ask is whether you need singlemode or multimode fiber.

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The number of connections that a 12 strand fiber cable can support depends on several factors, including the type of network architecture being used, the equipment available, and the specific ...



When planning your fiber optic network, various factors must be evaluated to ensure optimal performance and scalability. The following sections will delve into how to select the suitable ...



How many connections per switch (it is not uncommon to have redundant/bonded connections)? How much allowance for future connections or bad/broken strands do you want?



According to the IBDN standard, we generally recommend using 12 cores for the communication room in each building, and 24 cores for the building room. Of course, this is a general ...



Common fiber cores include 1 core, 2 cores, 6 cores, 8 cores, etc., and there are many types. This article will focus on the number of fiber cores, introducing their respective characteristics ...



Corning ribbon plenum cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone installations and for high-fiber-count data centers. These cables consist of ...



One key factor is the number of cores, which impacts how much data you can transmit. This post will guide you through understanding fiber optic cores and selecting the perfect cable for...



Learn how to assess your network environment, bandwidth needs, and other key requirements to make an informed decision about fiber optics.



They're planning how much of each service they need for a given cable ring, the price of the hardware needed to do each type of service, and calculate the most efficient way to do it.



Learn how to choose the right fiber count for data centers, campuses, FTTH and backbone projects. Practical rules, sizing tips, and future-proof planning.

Number of Wiring Points and Switches. Under Normal Circumstances, We Need How Many Terminals and Cores? Multimode and Singlemode Count How Many Systems Will Use Optical Fiber Under normal circumstances, the number of cores is equal to the number of terminals. However, we need to consider the redundancy during the design and construction of the actual scheme. So each terminal will use two cores at most. If you want to consider the cost, you can use 1-2 cores for the entire line redundancy. For example, if you have three ... See more on fibconet

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ol#b_results
li.b_ad,ol#b_topw.b_results_eml li.b_ad,ol#b_topw li.b_ad{background-
color:transparent;border-right:0;border-bottom:1px solid #ebebeb;margin-
bottom:1px;padding-right:0;padding-bottom:5px}ol#b_results
li.b_adBottom,ol#b_topw.b_results_eml li.b_adBottom{border-top:1px solid
#ebebeb;border-bottom:0;padding-bottom:0}ol#b_context li.b_ad,ol#b_rrat_cont
li.b_ad{background-color:transparent}.sb_add cite{text-
transform:lowercase}#b_results .b_ad .sb_adTA .b_caption,#b_topw.b_results_eml
.b_ad .sb_adTA .b_caption,#b_results .b_ad .sb_adTA .b_vlist2col
li,#b_topw.b_results_eml .b_ad .sb_adTA .b_vlist2col li,#b_results .b_ad .sb_adTA
.b_factrow,#b_topw.b_results_eml .b_ad .sb_adTA .b_factrow,#b_results .b_ad
.sb_adTA .b_bcfactrow,#b_topw.b_results_eml .b_ad .sb_adTA .b_bcfactrow,#b_topw
.b_ad .sb_adTA .b_caption,#b_topw .b_ad .sb_adTA .b_vlist2col li,#b_topw .b_ad
.sb_adTA .b_factrow,#b_topw .b_ad .sb_adTA .b_bcfactrow{padding-
bottom:var(--smtc-gap-between-content-xx-small)}#b_results .b_ad .sb_adTA
.b_vlist2col,#b_topw.b_results_eml .b_ad .sb_adTA .b_vlist2col,#b_results .b_ad
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.b_ad .sb_adTA .b_bcfactrow,#b_topw.b_results_eml .b_ad .sb_adTA
.b_bcfactrow,#b_results .b_ad .sb_adig,#b_topw.b_results_eml .b_ad
.sb_adig,#b_topw .b_ad .sb_adTA .b_vlist2col,#b_topw .b_ad .sb_adTA
.b_factrow,#b_topw .b_ad .sb_adTA .b_bcfactrow,#b_topw .b_ad .sb_adig{margin-
top:0}#b_results .b_ad h3.b_adlabel,#b_topw.b_results_eml .b_ad
h3.b_adlabel,#b_topw .b_ad h3.b_adlabel{margin-bottom:var(--smtc-gap-between-
content-xx-small)}.b_ad .pa_mlo~.sb_adt{margin-bottom:-6px}.b_ad_description{fon
t:var(--bing-smtc-text-global-body3);color:var(--bing-ads-smtc-desktop-foreground-
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default)}#b_results .sb_add h2:hover a,#b_topw.b_results_eml .sb_add h2:hover
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.sb_add h2:hover{cursor:pointer}.b_ad li.b_adLastChild{margin-
bottom:0}#b_results>li.b_ad{background-color:#fcfaf9}
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.pa_img.white_bg,.pa_hover .pa_hover_img.white_bg{background-
color:#f5f5f5}@media(forced-colors:none){.pa_item .pa_img.white_bg img,.pa_hover
.pa_hover_img.white_bg img{mix-blend-mode:multiply}}.pa_carousel
.b_slideexp{margin-bottom:0}.pa_carousel .b_slideexp .btn{z-index:8}.pa_carousel_
mlo{padding-bottom:var(--smtc-gap-between-content-xx-small)}.b_adBottom
.pa_carousel_mlo{margin:var(--mai-smtc-padding-card-default) 0 0

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collapse:separate}.pa_carousel_ml
.slide.anim{visibility:hidden;animation:slideInFromLeft .05s cubic-bezier(.3,.5,.1,1)
.3s 1 normal forwards}@-webkit-keyframes slideInFromLeft{0%{visibility:visible;tran-
sform:translateX(100%)}100%{visibility:visible;transform:translateX(0)}}@keyframe
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sible;transform:translateX(0)}}.pa_carousel_ml .slide:focus-visible{text-
decoration:underline}#b_content .pa_carousel_mlo
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.pa_mlo{padding-bottom:0}#b_content ol#b_results li.b_ad,#b_content
ol#b_topw.b_results_eml li.b_ad{border-bottom:0}.b_ad .pa_carousel_ml .b_adPATitle
Block{padding-left:0}.b_adPATitle{text-overflow:ellipsis;overflow:hidden;white-space
:nowrap;padding-right:var(--smtc-gap-between-content-medium);height:26px;font:va
r(--bing-smtc-text-global-subtitle1-strong);color:var(--smtc-foreground-content-neutra
l-primary)!important;padding-bottom:var(--smtc-padding-ctrl-sm-text-bottom)}.b_adP
ATitleBlock{padding-bottom:var(--smtc-gap-between-content-
small)}.b_adPATitleBlock .b_floatR{margin-left:var(--mai-smtc-padding-card-
default)}.b_adPATitle a:focus-visible{margin-left:var(--smtc-padding-ctrl-text-
side);text-decoration:underline}.b_adPATitle a{font:var(--bing-smtc-text-global-subtitl
e1-strong)!important;color:var(--smtc-foreground-content-neutral-
primary)!important;vertical-align:text-bottom}.pa_carousel_ml .b_adPATitleBlock{pad-
ding-left:var(--mai-smtc-padding-card-default)}.b_adPATitle_chevron{display:inline-
flex;padding:var(--smtc-gap-inside-ctrl-to-secondary-icon)}.b_adPATitleBlock acf-badg
e{display:inline-flex!important}acf-badge{display:flex;align-items:center;inline-size:fi-
t-content;max-inline-size:100%;gap:var(--smtc-ctrl-badge-gap);padding-block-start:va-
r(--smtc-ctrl-badge-sm-text-padding-top);padding-block-end:var(--smtc-ctrl-badge-sm-
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badge *::before,acf-badge *::after{box-sizing:border-box;margin:0;padding:0}acf-
badge,acf-badge *{display:none}acf-badge[data-visually-hidden],acf-badge *[data-vi-
sually-hidden]{block-size:1px;inline-
size:1px;margin:unset;padding:unset;border:0;clip:rect(0 0 0 0);clip-path:inset(50%);
overflow:clip;position:absolute;white-space:nowrap}acf-badge>{*{min-inline-
size:0;flex-shrink:0;flex-grow:0}acf-badge span{flex-shrink:1;white-space:nowrap;tex-
t-overflow:ellipsis;overflow:clip;max-block-size:calc(1*1lh)}acf-badge[data-fill="Tint"]
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badge{border:1px solid}}acf-badge[data-size="AdSlugSize"]{border:1px solid var(--
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background-card-on-primary-alt-rest) 20px)}.b_acf_crsl.hovexp .leftmost .b_overlay
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n-bottom:var(--smtc-gap-between-content-xx-large)!important}.b_colg_3xl
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.slide{margin-inline-end:var(--smtc-padding-content-xxx-
large)!important}.b_rowg_4xl .slide>*{margin-bottom:var(--smtc-padding-content-
xxx-large)!important}.b_acf_crsl .b_acf_card:focus-visible,.b_acf_crsl
.b_acf_card.b_acf_kbd_focus{outline:2px solid var(--smtc-ctrl-focus-outer-stroke);outli
ne-offset:-3px;border-radius:var(--mai-smtc-corner-card-default);z-index:1}.b_acf_car
d{box-sizing:border-box;border-radius:var(--mai-smtc-corner-card-default);-webkit-us
er-select:none;user-select:none;position:relative;width:100%;height:100%;position:rel
ative}.b_acf_card.b_acf_bckgnd{background:var(--bing-smtc-background-card-on-pri
mary-alt-rest)}.b_acf_card_link{border-radius:var(--mai-smtc-corner-card-default);out
line-offset:-1px;position:absolute;width:100%;height:100%}.b_acf_card_link:hover{te
xt-decoration:unset}.acf_col1_4{width:140px}.acf_col1_6{width:160px}@media(forc
ed-colors:active){.b_acf_card_link{background-color:unset}.b_acf_card .acf_t_c_title{
color:LinkText!important}}.acf_col1{width:88px}.acf_col2{width:200px}.acf_col3{wi
dth:312px}.acf_col4{width:424px}.acf_col5{width:536px}.acf_col6{width:648px}.ac

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f_col7{width:760px}.acf_col8{width:872px}.acf_col9{width:984px}.acf_col10{width:
1096px}.acf_col11{width:1208px}.acf_col12{width:1320px}.acf_row1{height:88px}.
acf_row2{height:200px}.acf_row3{height:312px}.acf_row4{height:424px}.acf_row5
{height:536px}.acf_row6{height:648px}.acf_row7{height:760px}.acf_row8{height:8
72px}.acf_row9{height:984px}.acf_row10{height:1096px}.acf_row11{height:1208px
}.acf_row12{height:1320px}.b_overlay .btn{height:100%;position:absolute;width:20
px;cursor:pointer;z-index:1;-moz-user-select:none;-khtml-user-select:none;-webkit-us
er-select:none;-o-user-select:none;-ms-user-select:none;user-select:none}.b_overlay
.btn *{transition:opacity .3s linear}.b_overlay .btn .bg{position:absolute;width:100%;
height:100%;background-color:#444;opacity:.3;filter:alpha(opacity=30)}.b_overlay
.btn.nobg .bg{background-color:transparent}.b_overlay .btn:hover
.bg{opacity:.7;filter:alpha(opacity=70)}.b_overlay .btn.nohover:hover
.bg{opacity:.3;filter:alpha(opacity=30)}.b_overlay .btn.disabled .bg,.b_overlay
.btn.nohover.disabled .bg{opacity:.01;filter:alpha(opacity=1)}.b_overlay .btn.hidden
.bg,.b_overlay .btn.nohover.hidden .bg{opacity:.01;filter:alpha(opacity=1)}.b_overlay
.btn.disabled,.b_overlay .btn.hidden{cursor:default}.b_overlay .btn .cr{text-
align:center;line-height:0}.b_overlay .btn.bld.polecarchev.hidden .cr,.b_overlay
.btn.bld.polecarchev.disabled .cr,.b_overlay .btn.bld.rounded.hidden .cr,.b_overlay
.btn.bld.rounded.disabled .cr,.b_overlay .btn.bld.bigrounded.hidden .cr,.b_overlay
.btn.bld.bigrounded.disabled .cr{opacity:.01;visibility:unset}.b_overlay .btn.hidden
.cr,.b_overlay .btn.disabled .cr{visibility:hidden}.b_overlay .btn.prev.ltr .cr,.b_overlay
.btn.next.rtl .cr{transform:scaleX(-1)}.b_overlay .btn.next{right:0}.b_overlay .btn
.cr>div{background-size:40px 200px;background-repeat:no-
repeat;width:20px;height:40px;background-position:-10px 0}.b_overlay .btn
.cr>div{background-
image:url(/rp/S9IIHAMBy7JxaR5m1KRvMwDswyw.png)}.b_overlay
.acfdefaultchev.btn.next{right:0!important}.b_overlay
.acfdefaultchev.btn.prev{left:0!important}.b_overlay .acfdefaultchev.btn:hover
.bg{opacity:unset;filter:unset}.b_overlay .acfdefaultchev.btn.disabled,.b_overlay
.acfdefaultchev.btn.hidden{display:none}.b_overlay
.acfdefaultchev.btn{width:48px}.b_overlay .acfdefaultchev.btn
.bg{opacity:unset}.b_overlay .acfdefaultchev.btn.prev .cr{left:0}.b_overlay
.acfdefaultchev.btn.next .cr{right:0}.acfdefaultchev .cr{display:flex;justify-
content:center;align-items:center;flex:1 0 0;align-self:stretch;width:36px;height:48px;
position:absolute;margin:unset;opacity:unset;transition:unset;border-radius:var(--smt
c-corner-ctrl-lg-rest);background:var(--bing-smtc-background-container);box-shadow:
var(--smtc-shadows-floating-action-button-rest);fill:var(--smtc-foreground-content-
neutral-secondary)}.acfdefaultchev .cr:hover{background:var(--smtc-ctrl-fab-
background-hover)}.acfdefaultchev .cr:active{background:var(--smtc-ctrl-fab-
background-pressed)}.b_ofchev .acfdefaultchev.btn.prev .cr{left:-18px}.b_ofchev
.acfdefaultchev.btn.next .cr{right:-18px}@media(forced-
colors:active){.acfdefaultchev .cr{background:ButtonFace}.acfdefaultchev
.cr>svg{fill:ButtonText}.acfdefaultchev .cr:hover,.acfdefaultchev .cr:has(:focus-
visible){background:Highlight}}.b_nochevshadow .acfdefaultchev
.cr,.b_nochevshadow .acfdefaultchev .cr:hover,.b_nochevshadow .acfdefaultchev
.cr:active,.b_nochevshadow .acfdefaultchev
.cr:focus{background:none!important;box-shadow:none!important}.b_overlay

```

```

.btn.bld.prev{left:-20px}.b_overlay
.btn.bld.next{right:-20px}.slide.b_crslitm.b_sldfitcont{width:fit-content}#b_content
.pa_carousel_mlo .pa_item.pa_vCard .pa_title,#b_content .pa_carousel_mlo
.pa_item.pa_vCard .pa_caption,#b_content .pa_carousel_mlo .pa_item.pa_vCard
.b_finalText,#b_content .pa_carousel .pa_item.pa_vCard .pa_title,#b_content
.pa_carousel .pa_item.pa_vCard .pa_caption,#b_content .pa_carousel
.pa_item.pa_vCard .b_finalText,#b_content .pa_grid .pa_item.pa_vCard
.pa_title,#b_content .pa_grid .pa_item.pa_vCard .pa_caption,#b_content .pa_grid
.pa_item.pa_vCard .b_finalText{padding:0 var(--smtc-padding-ctrl-horizontal-
default)}#b_content .pa_carousel_mlo .pa_item.pa_vCard .cico,#b_content
.pa_carousel .pa_item.pa_vCard .cico,#b_content .pa_grid .pa_item.pa_vCard
.cico{margin-bottom:var(--smtc-gap-between-content-small)}#b_content
.pa_carousel_mlo .pa_item.pa_vCard .pa_title,#b_content .pa_carousel
.pa_item.pa_vCard .pa_title,#b_content .pa_grid .pa_item.pa_vCard .pa_title{font:var(
--bing-smtc-text-global-body3);color:var(--smtc-ctrl-link-foreground-brand-
rest)}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption,#b_content
.pa_carousel .pa_item.pa_vCard .pa_caption,#b_content .pa_grid .pa_item.pa_vCard .
pa_caption{margin-top:var(--smtc-gap-between-content-x-small);padding-bottom:var(
--smtc-gap-between-content-x-small);font:var(--bing-smtc-text-global-
caption1)!important}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.pa_price,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.pa_price,#b_content .pa_grid .pa_item.pa_vCard .pa_caption .pa_price{margin-
bottom:var(--smtc-gap-between-content-xx-small)}#b_content .pa_carousel_mlo
.pa_item.pa_vCard .pa_caption .pa_price .prc_clr_grn,#b_content .pa_carousel
.pa_item.pa_vCard .pa_caption .pa_price .prc_clr_grn,#b_content .pa_grid
.pa_item.pa_vCard .pa_caption .pa_price .prc_clr_grn{color:var(--smtc-status-success-
tint-foreground)}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.pa_price strong,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption .pa_price
strong,#b_content .pa_grid .pa_item.pa_vCard .pa_caption .pa_price
strong{color:var(--smtc-foreground-content-neutral-primary)}#b_content
.pa_carousel_mlo .pa_item.pa_vCard .pa_caption .pa_price .original_price,#b_content
.pa_carousel .pa_item.pa_vCard .pa_caption .pa_price .original_price,#b_content
.pa_grid .pa_item.pa_vCard .pa_caption .pa_price .original_price{font:var(--bing-smtc-
text-global-caption1);padding-left:var(--smtc-gap-between-content-x-
small)}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.pa_installmentDesc,#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.pa_unitprice,#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.vertical_converted_price,#b_content .pa_carousel_mlo .pa_item.pa_vCard
.pa_caption .pa_shippingcost,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.pa_installmentDesc,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.pa_unitprice,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.vertical_converted_price,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.pa_shippingcost,#b_content .pa_grid .pa_item.pa_vCard .pa_caption
.pa_installmentDesc,#b_content .pa_grid .pa_item.pa_vCard .pa_caption
.pa_unitprice,#b_content .pa_grid .pa_item.pa_vCard .pa_caption
.vertical_converted_price,#b_content .pa_grid .pa_item.pa_vCard .pa_caption .pa_ship
pingcost{font:var(--bing-smtc-text-global-caption1);margin-bottom:var(--smtc-gap-be

```

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tween-content-xx-small);color:var(--bing-smtc-foreground-content-neutral-secondary-
alt)}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.b_attribution,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.b_attribution,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .b_attribution{marg
in-bottom:var(--smtc-gap-between-content-xx-small);color:var(--bing-smtc-foreground
-content-neutral-secondary-alt);border-bottom:0;font:var(--bing-smtc-text-global-
caption1)}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption .b_attribution
cite,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption .b_attribution
cite,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .b_attribution cite{font:var(--
bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-
secondary-alt);opacity:unset}#b_content .pa_carousel_mlo .pa_item.pa_vCard
.pa_caption .b_secondaryText,#b_content .pa_carousel .pa_item.pa_vCard
.pa_caption .b_secondaryText,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .b
secondaryText{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-
foreground-content-neutral-secondary-alt)}#b_content .pa_carousel_mlo
.pa_item.pa_vCard .pa_caption .b_secondaryText .pa_rebateText,#b_content
.pa_carousel .pa_item.pa_vCard .pa_caption .b_secondaryText
.pa_rebateText,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .b_secondaryText
.pa_rebateText{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-
foreground-content-neutral-secondary-alt)}#b_content .pa_carousel_mlo
.pa_item.pa_vCard .pa_caption .b_secondaryText .pa_promo a,#b_content
.pa_carousel .pa_item.pa_vCard .pa_caption .b_secondaryText .pa_promo
a,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .b_secondaryText .pa_promo
a{color:var(--smtc-ctrl-link-foreground-brand-rest)}#b_content .pa_carousel_mlo
.pa_item.pa_vCard .pa_caption .b_secondaryText .pa_rating a,#b_content
.pa_carousel .pa_item.pa_vCard .pa_caption .b_secondaryText .pa_rating
a,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .b_secondaryText .pa_rating
a{color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}#b_content
.pa_carousel_mlo .slide,#b_content .pa_carousel .slide,#b_context .pa_grid .pa_item{
border-radius:var(--mai-smtc-corner-card-
default)!important;overflow:hidden}#b_pole .pa_carousel_mlo{margin-
right:0}#b_content .pa_carousel_mlo .pa_item.pa_vCard,#b_content .pa_carousel
.pa_item.pa_vCard{margin-bottom:0!important}#b_content .pa_carousel_mlo
.pa_carousel .slide{margin:var(--smtc-gap-between-content-xx-small) 0}#b_content
.pa_carousel_mlo .pa_carousel{margin:calc(-1*var(--smtc-gap-between-content-xx-
small)) 0}#b_content .pa_carousel .slide{margin:calc(var(--smtc-gap-between-
content-xx-small) - var(--smtc-gap-between-content-xxx-small)) 0}#b_results
.pa_carousel_mlo .pa_carousel .b_slidebar .slide:first-child,#b_topw .pa_carousel_mlo
.pa_carousel .b_slidebar .slide:first-child{margin-left:var(--smtc-gap-between-content-
xxx-small)}.pa_item.pa_vCard{word-wrap:break-word;line-
height:20px;overflow:hidden}.pa_item.pa_vCard p strong,.pa_item.pa_vCard
.pa_price strong{color:#111}.pa_item.pa_vCard .pa_deal{text-decoration:line-
through}#b_content .pa_item.pa_vCard .b_attribution{font-size:14px;padding-
bottom:0;line-height:20px}#b_context .pa_item.pa_vCard p,#b_rrat_cont
.pa_item.pa_vCard p{line-height:20px}#b_content .pa_item.pa_vCard .pa_title{line-
height:20px;overflow:hidden}.pa_item.pa_vCard .b_footnote{line-
height:17px;padding-bottom:0}.pa_item.pa_vCard .pa_caption{padding-

```

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bottom:8px}.pa_item.pa_vCard .pa_caption,.pa_item.pa_vCard .pa_title{padding-
left:4px;padding-right:4px}.pa_item.pa_vCard
.b_finalText{position:absolute;width:100%;box-sizing:border-box;left:0;padding:0 4px
0 4px;bottom:8px}.pa_item.pa_vCard .cico{display:block;padding-bottom:0;margin-
bottom:8px;margin-left:auto;margin-right:auto;border-radius:0}.pa_item.pa_vCard
.pa_img{position:relative}.pa_item.pa_vCard .pa_price:hover,.pa_item.pa_vCard
.b_attribution:hover,.pa_item.pa_vCard
.b_footnote:hover{cursor:pointer}.pa_carousel .slide{box-shadow:0 0 0 1px
rgba(0,0,0,.1)!important}.pa_carousel .slide.see_more{box-shadow:0 0 0 0
rgba(0,0,0,0)!important}.pa_caption .pa_price:hover strong,.pa_hover
.pa_hover_content .pa_price:hover strong{text-decoration:underline;text-decoration-
color:#111}.pa_caption .b_attribution:hover,.pa_hover .pa_hover_content .b_attributi
on:hover{text-decoration:underline}.pa_caption>.b_secondaryText:hover,.pa_hover
.pa_hover_content>.b_secondaryText:hover{color:#444}.b_ads1line{white-
space:nowrap;overflow:hidden;text-overflow:ellipsis;display:block}.pa_item
.b_attribution cite,#b_context .pa_item .b_attribution cite,.pa_hover .b_attribution
cite,.pa_item .b_footnote .pa_url cite,.pa_item .b_attribution cite,#b_rrat_cont
.pa_item .b_attribution cite,.pa_hover .b_attribution cite,.pa_item .b_footnote .pa_url
cite{color:#111;opacity:.8}#bpage.b_drk .pa_item .b_footnote .pa_url cite{color:#d2
d0ce}.pa_item.pa_vCard{cursor:pointer}.b_pa_indicator_c{position:absolute;bottom:
calc(-1*var(--smtc-gap-between-content-x-small));width:100%;display:flex;gap:var(--s
mtc-gap-between-content-xx-small);justify-content:center;forced-color-adjust:none}.
b_pa_hov_indicator_c{position:relative;height:12px;display:flex;gap:var(--smtc-gap-b
etween-content-xx-small);justify-content:center;align-items:center}.b_pa_ind_chev{p
osition:absolute;height:36px;width:36px;background-size:cover;background-
repeat:no-repeat;background-position:center}.b_tabhovcard .b_pa_ind_chev{display:
none}.b_pa_ind_chev.left{left:0}.b_pa_ind_chev.right{right:0}.b_pa_indicator{transiti
on:width var(--smtc-duration-medium-01) var(--bing-smtc-animation-ease-default)}.b
_pa_indicator.sel{width:8px;height:4px;border-radius:var(--smtc-ctrl-badge-sm-corner
);background-color:var(--smtc-foreground-content-brand-primary)}.b_pa_indicator:not
(.sel){width:4px;height:4px;border-radius:var(--smtc-ctrl-badge-sm-corner);backgrou
nd-color:var(--bing-smtc-stroke-ctrl-strong)}.b_pa_ind_chev.left{background-image:ur
l(/rp/agxFsUMkC673WmoTmnlMPxEe6ws.svg)}.b_pa_ind_chev.left:hover{background
-image:url(/rp/xMN0EpA0PIBdEcQcjFfqG_vpETU.svg)}.b_pa_ind_chev.right{backgroun
d-image:url(/rp/aEIX3ul9gwY0f2HW1RKDZD2xqCE.svg)}.b_pa_ind_chev.right:hover{b
ackground-image:url(/rp/E-Z-5a58Tr01Gv0dz1-0Mc32imE.svg)}@supports(-webkit-lin
e-clamp:2){.b_adsTrunTx{display:-webkit-box;overflow:hidden;-webkit-box-orient:ver
tical;white-space:normal;visibility:visible}.b_ellipsis{display:none}.b_adsTrunTx .b_hi
ddenTx{display:inline}}.b_hiddenTx{display:none}.pa_hover{background-color:var(-
smtc-background-web-page-primary);box-shadow:none;position:absolute;opacity:0;v
isibility:hidden;word-wrap:break-word;cursor:pointer;overflow:hidden;z-
index:4;pointer-events:none}.pa_hover .pa_hover_content{padding-
bottom:var(--smtc-gap-between-content-x-small)}.pa_hover .pa_hover_title,.pa_hover
.pa_price,.pa_hover .b_attribution,.pa_hover .b_secondaryText,.pa_hover
.pa_additionTx,.pa_hover>div>.b_ads1line,.pa_hover .b_footnote,.pa_hover .pa_hover
_content>.pa_loclnv{padding-left:var(--smtc-padding-ctrl-horizontal-default);padding-
right:var(--smtc-padding-ctrl-horizontal-default)}.pa_hover

```

```

.pa_hover_img{position:relative}.pa_hover .pa_hover_img img{display:block;margin-left:auto;margin-right:auto}.pa_hover .pa_hover_title{font:var(--bing-smtc-text-global-body3)!important;color:var(--smtc-ctrl-link-foreground-brand-rest);margin-bottom:var(--smtc-gap-between-content-x-small)}.pa_hover .pa_hover_title: hover{text-decoration:underline}.pa_hover .pa_price{margin-bottom:var(--smtc-gap-between-content-xx-small)}.pa_hover .pa_price .prc_clr_grn{color:var(--smtc-status-success-tint-foreground)}.pa_hover .pa_price strong{color:var(--smtc-foreground-content-neutral-primary);font:var(--bing-smtc-text-global-caption1-strong)}.pa_hover .pa_price .original_price{font:var(--bing-smtc-text-global-caption1);padding-left:var(--smtc-gap-between-content-x-small)}.pa_hover .pa_installmentDesc,.pa_hover .pa_unitprice,.pa_hover .vertical_converted_price,.pa_hover .pa_shippingcost{font:var(--bing-smtc-text-global-caption1);margin-bottom:var(--smtc-gap-between-content-xx-small);color:var(--bing-smtc-foreground-content-neutral-secondary-alt);padding-bottom:0}.pa_hover .b_attribution{margin-bottom:var(--smtc-gap-between-content-xx-small);color:var(--bing-smtc-foreground-content-neutral-secondary-alt);border-bottom:0;font:var(--bing-smtc-text-global-caption1)}.pa_hover .b_attribution cite{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt);opacity:unset}.pa_hover .pa_bcSeparator{margin:var(--smtc-gap-between-content-xx-small) 0;border-top:1px solid #ececec}.pa_hover .b_secondaryText{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}.pa_hover .b_secondaryText .pa_rebateText{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}.pa_hover .b_secondaryText .pa_promo a{color:var(--smtc-ctrl-link-foreground-brand-rest)}.pa_hover .b_secondaryText .pa_rating a{color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}.pa_hover .b_secondaryText .b_colorBlend{color:var(--bing-smtc-foreground-content-neutral-secondary-alt)!important}.pa_hover .pa_additionTx,.pa_hover .pa_locInv{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}a .pa_hover_adLink: hover{text-decoration:none}.pa_hover:has(.pa_hover_content.pa_hcgp){border-radius:var(--mai-smtc-corner-card-default)}.pa_hover.ad_scpah.pa_animation{background-color:var(--smtc-background-card-on-primary-default-hover);box-shadow:var(--bing-smtc-shadows-card-hover-3);pointer-events:auto}.pa_item.pa_vCard>a: hover{text-decoration:none}.pa_hover: not(:has(.b_pa_hov_indicator_c)) .pa_hover_img img{margin-bottom:var(--smtc-gap-between-content-small)}.pa_hover.ad_scpah.pa_animation{transition:height var(--smtc-duration-medium-01) var(--bing-smtc-animation-ease-default),background-color var(--smtc-duration-medium-01) var(--bing-smtc-animation-ease-default),box-shadow var(--smtc-duration-medium-01) var(--bing-smtc-animation-ease-default)}.pa_img_slidect{max-width:100%}.pa_img_slides{display:flex;position:relative;transition:left .3s;left:0}.pa_img_slide{display:flex;justify-content:center;flex-shrink:0;flex-grow:0}.pa_img_slidect .pa_img_slides .pa_img_slide img{margin-left:0;margin-right:0;transform:none}#slideexp0_AED0FE .slide:last-child { margin-inline-end: 0; }#slideexp0_AED0FE .slide>*:last-child { margin-bottom: unset !important; } .b_acf_crsl #slideexp0_AED0FEc .b_slidebar .slide { box-shadow: unset; -webkit-box-shadow: unset; } .b_acf_crsl.hovexp #slideexp0_AED0FEc.b_slideexp .b_overlay .b_slidesContainer { overflow: visible !important; } .b_acf_crsl.hovexp

```

```
#slideexp0_AED0FEc.b_slideexp .b_overlay .b_viewport, .b_acf_crsl.hovexp  
#slideexp0_AED0FEc.b_slideexp .b_viewport { padding-top: 12px !important; margin-  
top: -12px !important; padding-bottom: 12px !important; margin-bottom: -12px  
!important; } .b_acf_crsl.hovexp #slideexp0_AED0FEc.b_slideexp .b_overlay  
.b_viewport { padding-bottom: 24px !important; margin-bottom: -24px !important;  
}Sponsored
```

Contact Us

For more information, pricing, or custom data center solutions, please contact us:

Website: <https://www.yoahorroenergia.es>

Email: hello@yoahorroenergia.es

Phone: +233 54 318 7269

Address: Plot 28, Spintex Road, Accra, Greater Accra, Ghana

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