

The optical module can be directly plugged into the switch



Overview

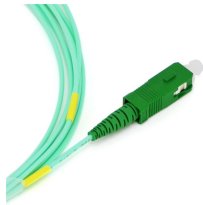
This device is a small transceiver you plug into a switch, router, or server. The main job of an SFP optic module is to change electrical signals into optical signals for fiber cables. This lets you. Small Form-factor Pluggable (SFP) modules are a core building block of modern network infrastructure, enabling flexible fiber or copper connectivity across switches, routers, and network interface cards. Optical SFP Module Types and Connectors and Copper SFP Module show the types of SFP modules and connectors. This lets you send data far away.



The optical module can be directly plugged into the switch



Holding the SFP module by its sides, insert the SFP module into the port on the switch. Slide the SFP module into the port until you hear it click. If the SFP module has a handle, push up on the handle to ...



Choose an SFP module based on the fiber optic cabling that will be connected to the network switches. SFP transceiver modules almost always require two fiber optic cable strands.



It plugs into a network device's port, such as a switch, router, or media converter, and converts electrical signals into optical signals or vice versa. In this blog post, we will explore all about ...



It can be plugged directly into the physical port of a networking device. It can realize electrical and optical signal conversion to extend the original link distance.



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Learn how to install an SFP module correctly with step-by-step instructions, safety tips, hot-swap rules, and troubleshooting for reliable network links.



This is the legal and technical foundation that allows you to plug a third-party module into a Cisco, Juniper, or Huawei switch and have it fit physically perfectly.



There are different types of SFP modules and SFP ports, and their primary purpose is to allow fiber optic cables to be connected to the network switch (although some types of SFP ports support copper ...



This article provides instructions on how to view the Optical Module Status on your switch through the Command Line Interface (CLI). The Cisco Small Business Series Switches allow ...



Because the transceivers are built into the cable heads, installation is simple: plug the cable ends into SFP/SFP+ or QSFP/QSFP+ ports on your switches, routers, NICs, or storage ...

Types of Cables Used with SFP Ports SFP vs GBIC SFP For RJ45 Copper Cables SFP Ports and Modules on Cisco Devices Which Network Devices Support SFP Ports What Is An Uplink SFP Port? Types of SFP Modules and Cables Cisco Command to Show Details of SFP A standard Cisco Switch will have either 24 or 48 Standard RJ45 Ethernet interfaces with speeds of up to 1 Gigabit per second (Gbps) and then a separate module on the right-hand side of the device which contains a bank of SFP ports. The main bank of 24 to 48 interfaces is expected to be used to connect directly to end devices. The bank of SFP modul... See more on networkstraining ol#b_results

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li.b_ad,ol#b_topw.b_results_emi 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_emi 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_emi
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li,#b_topw.b_results_emi .b_ad .sb_adTA .b_vlist2col li,#b_results .b_ad .sb_adTA
.b_factrow,#b_topw.b_results_emi .b_ad .sb_adTA .b_factrow,#b_results .b_ad
.sb_adTA .b_bcfactrow,#b_topw.b_results_emi .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
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.b_vlist2col,#b_topw.b_results_emi .b_ad .sb_adTA .b_vlist2col,#b_results .b_ad
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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{font:var(--bing-smtc-text-global-body3);color:var(--bing-ads-smtc-desktop-foreground-snippet-default)}#b_content #b_results li.b_ad.b_adMiddle{margin-top:0;margin-bottom:16px}.b_ad .b_floatR_img{padding-left:var(--mai-smtc-padding-card-nested-default)}#b_results .sb_add h2:hover a,#b_topw.b_results_emi .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}
#b_topw.b_results_emi>li.b_ad{background-color:#fcfaf9}
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#b_results>li.b_ad{background-color:inherit} .b_dark
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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

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gap-between-content-xx-large)}.pa_carousel_ml .slide{border-
collapse:separate}.pa_carousel_ml
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.3s 1 normal forwards}@-webkit-keyframes slideInFromLeft{0%{visibility:visible;tran-
sform:translateX(100%)}100%{visibility:visible;transform:translateX(0)}}@keyframe
s slideInFromLeft{0%{visibility:visible;transform:translateX(100%)}100%{visibility:vi-
sible;transform:translateX(0)}}.pa_carousel_ml .slide:focus-visible{text-
decoration:underline}#b_content .pa_carousel_mlo
.b_slidesContainer{width:100%}.b_poleContent:has(.pa_carousel_mlo){width:auto}li
.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
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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-
text-padding-bottom)}acf-badge,acf-badge::before,acf-badge::after,acf-badge *,acf-
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"]
{background-color:var(--smtc-status-informative-tint-background)}.acf-badge__favico-
n{border-radius:var(--mai-smtc-corner-favicon)}@media(forced-colors:active){acf-
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bing-ads-smtc-ad-slug-stroke);border-radius:var(--bing-ads-smtc-ad-slug-corner);mar-
gin-inline-end:var(--smtc-gap-between-content-xxx-small);padding-inline:var(--smtc-p-
adding-ctrl-text-side)}acf-badge[data-size="AdSlugSize"][data-weight="Default"]{fon-
t:var(--bing-smtc-text-global-caption2);line-height:var(--bing-ads-smtc-ad-slug-line-hei-
ght)}acf-badge[data-size="AdSlugSize"][data-weight="Heavy"]{font:var(--bing-smtc-
text-global-caption2-strong);line-height:var(--bing-ads-smtc-ad-slug-line-height)}acf-b
adge[data-style="AdSlug"]{color:var(--bing-ads-smtc-desktop-foreground-ad-slug-def

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ault)}acf-badge[data-style="AdSlug"][data-fill="AdSlugWhite"]{background-color:var
(--smtc-background-web-page-primary)}acf-badge[data-style="AdSlug"][data-fill="A
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ght}.b_adChoiceInline{display:inline-block}.b_adChoice::after{transform-
origin:-320px 0;transform:scale(.5);position:relative;display:inline-
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block}.pa_sbo+a .b_adChoice{margin-top:8px}.b_adPATitleBlock bubble_lite
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bubble_item,.b_magazine bubble_lite bubble_item,.ra_car_container bubble_lite bubb
le_item,.b_adinfo{display:inline-block!important}.b_adinfo{cursor:pointer;vertical-alig
n:middle;line-height:0}@media(forced-colors:active){.b_adChoice{filter:invert(1)}}.b
_adChoice::after{content:url(/rp/EX_mglLPdYtFnI-37m1pZn5YKII.png)}.emb_ppa
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.b_slgw{position:absolute;top:6px;left:8px;display:flex;align-items:center;border:1px
solid #ecec;border-radius:6px;background-color:#fff;justify-
content:center;height:20px;width:71px}div.b_adSlug, lcard .lc_content .b_factrow
div.b_embPPASlug.b_adSlug,#lMapContainer .b_aswta .vertcard .lc_content
div.b_factrow div.b_adSlug,div.gs_VA_slgw
.b_adSlug.b_opttxt.b_divdef,.genserp_PA_container .genserp_PA_title
div.genserp_PA_adslug span.genserp_adSlug,.gs_embedded_label_container,.embedd
ed_msan_ad_slug{border:0;margin-right:0}.b_acf_crsl .slide.b_crslitm>*:last-
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.btn.prev .bg{background:unset}.b_acf_crsl.hovexp .b_viewport,.b_acf_crsl.hovexp
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.b_viewport{height:unset!important}#b_topw .b_wpt_container .b_acf_crsl
.btn.bld.next,#b_topw .b_wpt_container .b_acf_crsl .btn.bld.prev,.b_acf_crsl
.btn.next,.b_acf_crsl .btn.prev{z-index:5}.b_acf_crsl.b_fadebg .btn.next .bg{backgrou
nd:linear-gradient(90deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0)
0%,var(--smtc-background-card-on-primary-default-rest) 60%)} .b_acf_crsl.b_fadebg
.btn.prev .bg{background:linear-gradient(270deg,var(--bing-smtc-background-ctrl-
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60%)} .b_acf_crsl.b_fadebg.b_fadebg_theme .btn.next .bg{background:linear-
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.btn.prev .bg{background:linear-gradient(270deg,var(--bing-smtc-ctrl-background-
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.btn.next .bg{background:linear-gradient(270deg,var(--bing-smtc-background-ctrl-
fade-on-primary-stop-0) 0%,var(--smtc-background-card-on-primary-default-rest)
60%)}[dir="rtl"] .b_acf_crsl.b_fadebg .btn.prev .bg{background:linear-
gradient(90deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0)

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0%,var(--smtc-background-card-on-primary-default-rest) 60%))[dir="rtl"]
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.b_acf_crsl.b_fadebg.b_fadebg_theme .btn.prev .bg{background:linear-
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background-card-on-primary-alt-rest) 20px)}.b_acf_crsl.hovexp .leftmost .b_overlay
.b_viewport,.b_acf_crsl.hovexp .leftrightmost .b_overlay
.b_viewport,.b_acf_crsl.hovexp .b_overlay .b_viewport{padding-left:var(--smtc-gap-be-
tween-content-x-large)!important;margin-left:calc(var(--smtc-gap-between-content-x-
large)*-1)!important}.b_acf_crsl.hovexp .middle .b_overlay
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small)!important}.b_rowg_s .slide>*{margin-bottom:var(--smtc-gap-between-content-
small)!important}.b_colg_m .slide{margin-inline-end:var(--smtc-gap-between-content-
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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

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dth:312px}.acf_col4{width:424px}.acf_col5{width:536px}.acf_col6{width:648px}.acf_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:872px}.acf_row9{height:984px}.acf_row10{height:1096px}.acf_row11{height:1208px}.acf_row12{height:1320px}.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(--smtc-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}.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

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.pa_price,#b_context .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_context .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_context .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_context
.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_context .pa_grid .pa_item.pa_vCard .pa_caption
.pa_installmentDesc,#b_context .pa_grid .pa_item.pa_vCard .pa_caption
.pa_unitprice,#b_context .pa_grid .pa_item.pa_vCard .pa_caption
.vertical_converted_price,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .pa_ship
pingcost{font:var(--bing-smtc-text-global-caption1);margin-bottom:var(--smtc-gap-be
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

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.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-
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}@supports(-webkit-line-clamp:2){.b_adsTrun
Tx{display:-webkit-box;overflow:hidden;-webkit-box-orient:vertical;white-

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space:normal;visibility:visible}.b_ellipsis{display:none}.b_adsTrunTx .b_hiddenTx{display:inline}}.b_hiddenTx{display:none}.pa_hover{background-color:var(--smtc-background-web-page-primary);box-shadow:none;position:absolute;opacity:0;visibility: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 #ecec}.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_loclnv{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-

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duration-medium-01) var(--bing-smtc-animation-ease-default),box-shadow var(--smtc-
duration-medium-01) var(--bing-smtc-animation-ease-default)}.pa_addToCart{font-
style:normal;font-weight:normal}.pa_addToCart
cite{color:#131aa4!important}.pa_addToCart .pa_addToCartIcon{float:left;padding-
right:1px;margin-bottom:0}.b_acf_crsI .carousel_seemore .rtl .b_seemore_chev
svg{transform:scaleX(-1)}.b_acf_crsI .carousel_seemore{display:flex;align-
items:center;justify-content:center;width:64px}.b_acf_crsI .carousel_seemore
.b_moreLink{display:flex;padding:var(--bing-smtc-padding-ctrl-icon-only-text-top)
var(--bing-smtc-padding-ctrl-text-side-large) var(--bing-smtc-padding-ctrl-icon-only-
text-bottom) var(--bing-smtc-padding-ctrl-text-side-large);flex-direction:column;align-i
tems:center;gap:var(--smtc-gap-inside-ctrl-to-secondary-icon);text-
decoration:none}.b_acf_crsI .carousel_seemore .b_moreLink .b_seemore_chev{displa
y:flex;width:40px;height:40px;justify-content:center;align-items:center}.b_acf_crsI
.carousel_seemore .b_moreLink .b_seemore_chev svg{fill:var(--smtc-foreground-ctrl-
on-transparent-rest);font-weight:bold;transition:transform var(--smtc-duration-
medium-01) var(--bing-smtc-animation-ease-default)}.b_acf_crsI .carousel_seemore
.b_moreLink .b_call_txt{color:var(--smtc-foreground-ctrl-on-transparent-
rest);font:var(--bing-smtc-text-global-caption1-strong)}.b_acf_crsI .carousel_seemore
.b_moreLink:hover .b_seemore_chev{border-radius:var(--smtc-corner-ctrl-
hover);background:var(--bing-smtc-background-ctrl-ghost-hover)}.b_acf_crsI
.carousel_seemore .b_moreLink:hover .b_seemore_chev
svg{width:20px;height:20px}.b_acf_crsI .carousel_seemore .b_moreLink:active .b_see
more_chev{border-radius:var(--smtc-corner-ctrl-pressed);background:var(--bing-smtc-
background-ctrl-ghost-pressed)}.b_acf_crsI .carousel_seemore .b_moreLink:active
.b_seemore_chev svg{width:12px;height:12px}#slideexp0_3284B4 .slide:last-child {
margin-inline-end: 0; } #slideexp0_3284B4 .slide>*:last-child { margin-bottom: unset
!important; } .b_acf_crsI #slideexp0_3284B4c .b_slidebar .slide { box-shadow: unset;
-webkit-box-shadow: unset; } .b_acf_crsI.hovexp #slideexp0_3284B4c.b_slideexp
.b_overlay .b_slidesContainer { overflow: visible !important; } .b_acf_crsI.hovexp
#slideexp0_3284B4c.b_slideexp .b_overlay .b_viewport, .b_acf_crsI.hovexp
#slideexp0_3284B4c.b_slideexp .b_viewport { padding-top: 12px !important; margin-
top: -12px !important; padding-bottom: 12px !important; margin-bottom: -12px
!important; } .b_acf_crsI.hovexp #slideexp0_3284B4c.b_slideexp .b_overlay
.b_viewport { padding-bottom: 24px !important; margin-bottom: -24px !important;
}Sponsored

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Contact Us

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