



## دفترچه معرفی محصولات

ویرایش چهارم - زمستان ۱۴۰۳



مشمول بر:

- انواع سویچ شبکه
- انواع مدیا کانورتر
- انواع مبدل سریال
- انواع سیستم های تلفنی
- انواع منبع تغذیه
- انواع کابل و پچ کورد فیبر
- انواع دوربین مداربسته

## معرفی شرکت آرمان تجارت هوشمند اهورا (ای تی تلکام) :

شرکت دانش بنیان آرمان تجارت هوشمند اهورا با ثبت، برند تجاری ITTELECOM فعالیت خود را از سال ۱۳۹۸ در کشور آغاز نموده و توانسته با بهره‌گیری از تکنولوژی‌های نوین و تیمی از متخصصان حرفه‌ای، به یکی از شرکت‌های توانمند در حوزه سیستم‌های مبتنی بر IP و شبکه تبدیل شود. این شرکت با راه اندازی بزرگ‌ترین فروشگاه اینترنتی تامین تجهیزات زیرساختی شبکه و مخابرات توانسته است نیازمندی بخش قابل توجهی از سازمان‌ها و ارگان‌های مختلف را در حوزه‌های ارتباطی، نفتی، پتروشیمی و نیز ارگان‌های دفاعی را تامین نموده و با تمرکز بر توسعه زیرساخت‌های علمی و فن آوری، همراه با ارائه تجهیزات با کیفیت بالا و متناسب با نیازمندی‌های موجود، منجر گردیده تا به سرعت جایگاه خود را در بازار رقابتی، شبکه‌های مخابراتی و زیرساختی در کشور تثبیت نماید.

ITTELECOM با ارائه محصولات هم‌چون سوئیچ‌های شبکه، سیستم‌های ارتباطی زیرساختی، کابل‌های فیبر نوری تاکتیکی، سیستم‌های فرماندهی و کنترل ICS و همچنین تجهیزات VoIP، نقش مهمی در بهینه‌سازی و ارتقای زیرساخت‌های کشور ایفا می‌کند. این شرکت با تمرکز بر ارائه راهکارهای فنی و مهندسی به عنوان یکی از مجموعه‌های توانمند در حوزه ارتباطات خود را معرفی نماید.



## معرفی محصولات و توانمندی‌های شرکت :

- سوئیچ شبکه: آی تی تلکام مجموعه‌ای متنوع از سوئیچ‌های شبکه را در ظرفیت‌های مختلف ارائه می‌نماید.
- تجهیزات VoIP: ارائه تجهیزات VoIP با ظرفیت و تکنولوژی‌های استاندارد بین‌المللی.
- مدیا کانورترها: ارائه انواع مبدل‌های دیتا به یکدیگر به صورت استاندارد.
- دوربین‌های مدار بسته: انواع دوربین‌های مبتنی بر IP جهت مصارف حراستی و نظارتی.
- سیستم‌های ارتباطی زیر ساختی: طراحی، تولید و ارائه انواع سامانه‌های زیر ساختی مبتنی بر فیبر نوری، شبکه و E1.
- سیستم فرماندهی و کنترل ICS: این سیستم به‌طور ویژه جهت مدیریت و ارائه سرویس‌های صوت، تصویر و دیتا طراحی گردیده.
- مبدل‌های سریال: مبدل سریال دستگاهی است که داده‌ها را بین پروتکل‌های ارتباطی مختلف مانند RS-232 و USB تبدیل می‌کند.
- مالتی پلکسرها و MSAP: امکان انتقال خطوط تلفنی آنالوگ و دیجیتال، دیتا و تصویر بر روی بسترهای فیبرنوری، E1 با پروتکل‌های استاندارد.
- فیبر نوری تاکتیکی: راهکارهای مطمئن برای انتقال داده در محیط‌های صنعتی و عملیاتی.
- منبع تغذیه: تأمین و تبدیل ولتاژ مورد نیاز تجهیزات مخابراتی با استاندارد‌های صنعتی.

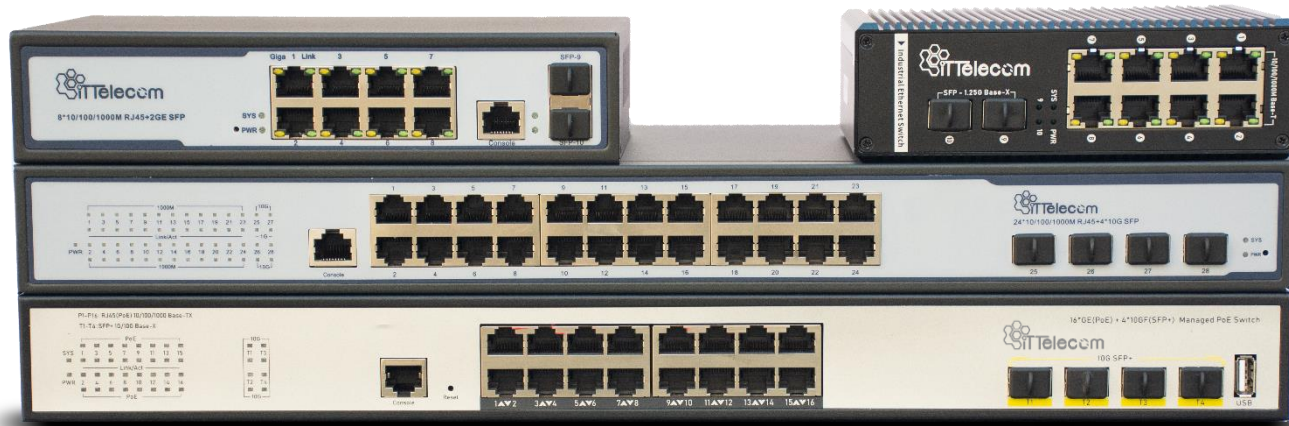
شماره تماس: ۰۲۱-۴۴۴۴۶۰۱۲

شماره نامبر: ۰۲۱-۴۵۸۱۲۵۷۵

آدرس دفتر مرکزی: تهران، جنت‌آباد جنوبی، انتهای خیابان چهارباغ غربی، پلاک ۵۵

آدرس دفتر عسلویه: عسلویه، بلوار وحدت، قبل از میدان حضرت محمد رسول الله (ص)





### سیستم های انتقال تلفنی

- ✦ ماکس تلفنی ۸ کانال الی ۲۵۶ کانال
- ✦ SDH - STM1/STM4/STM16/STM6
- ✦ PDH - 16E1/4ETH FE
- ✦ PDH - 16E1/4ETH GE

### مبدل سریال

- ✦ شبکه به 3G/4G
- ✦ سریال به فیبرنوری
- ✦ Wi-Fi به سریال
- ✦ کنترلر ریموت I/O
- ✦ مبدل سریال به 4G
- ✦ مبدل سریال به فیبر، شبکه و Wi-Fi

### مانیتور صنعتی

- ✦ مانیتور صنعتی لمسی

### سوئیچ شبکه

- ✦ سوئیچ شبکه صنعتی
- ✦ سوئیچ شبکه مدیریتی
- ✦ سوئیچ شبکه غیر مدیریتی
- ✦ سوئیچ شبکه رک مونت
- ✦ سوئیچ شبکه POE

### مدیا کانورتر

- ✦ مبدل فیبر نوری
- ✦ مبدل شبکه
- ✦ مبدل پروتکل E1
- ✦ مبدل زوج سیم ویدئو کانورتر

### منبع تغذیه

- ✦ دین ریل 48V, 24V, 12V
- ✦ پاور سویچینگ 5V, 12V

### دوربین های مدار بسته

- ✦ دوربین IP
- ✦ دوربین آنالوگ
- ✦ دوربین های PTZ

### Radio over IP

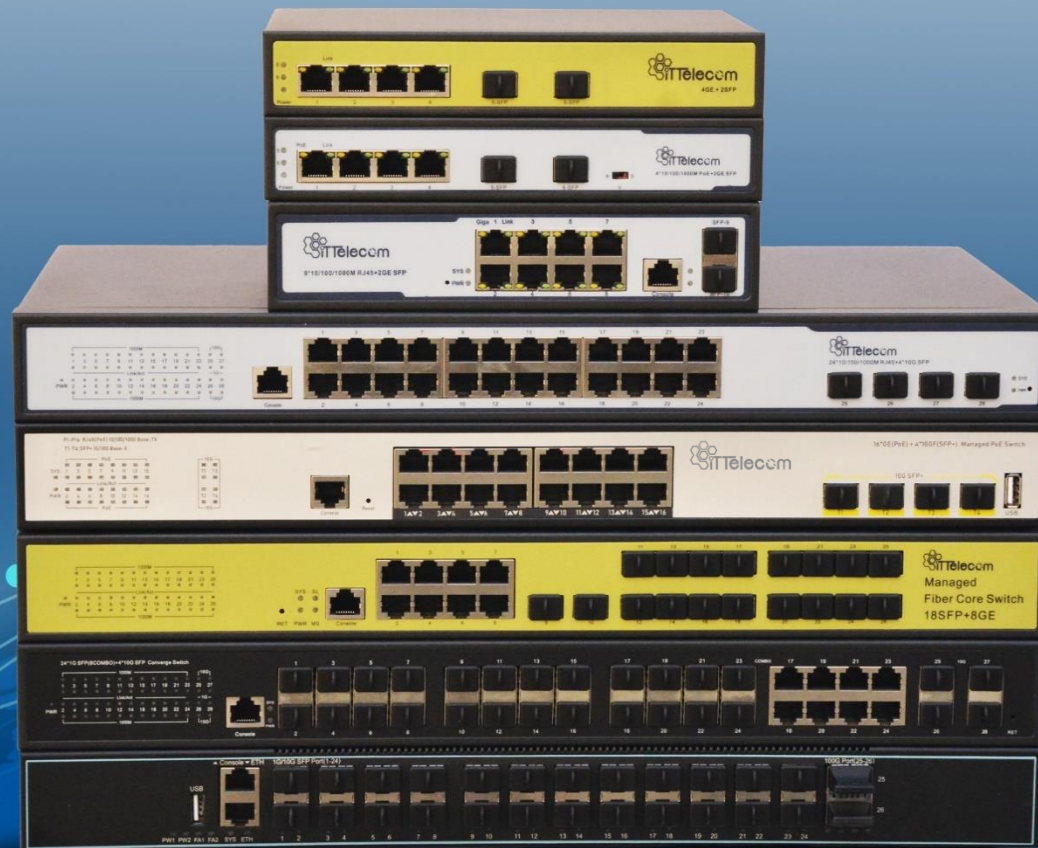
- ✦ رادیو تحت شبکه 1CH
- ✦ رادیو تحت شبکه 4CH
- ✦ ریموت چند منظوره





















# Network Switch
































## Rack Mount Network Switch Products

Pic.	P/N	Ports	OP. Temp	V-Lan	Managed	POE	Description
	<a href="#">ITT-SWP-6FE</a>	4×10/100Base-TX PoE Port (Data/Power) 2×10/100Base-TX Uplink RJ45 Port (Data)	-10°C ~ 55°C				Unmanaged 4 Port Fast Ethernet PoE Switch
	<a href="#">ITT-SWP-4G2S</a>	4×10/100/1000 Base-TX PoE Port (Data/Power) 2×1000M SFP	-10°C ~ 55°C				Unmanaged Full Gigabit 4+2 PoE Switch
	<a href="#">ITT-SWP-6G</a>	4× Port POE (RJ45) 2× Port 10/100 (RJ45)	-10°C ~ 55°C				Unmanaged Ethernet POE Switch
	<a href="#">ITT-SWP-8G2S</a>	8×10/100/1000Base-TX PoE 60W Port (Data/Power) 2×1000M SFP	-10°C ~ 55°C				Unmanaged Built-in 8+2 Full Gigabit PoE Switch
	<a href="#">ITT-SWP-10G</a>	8×10/100/1000Base-TX PoE Port (Data/Power) 2×10/100/1000Base-TX Uplink RJ45 Port (Data)	-10°C ~ 55°C				Unmanaged 8 Port Fast Ethernet PoE Switch
	<a href="#">ITT-SWP-16G2S</a>	16×10/100/1000Base-TX PoE Port (Data/Power) 2×1000M SFP	-10°C ~ 55°C				Unmanaged 16+2 Full Gigabit PoE Switch
	<a href="#">ITT-SW-16G2S</a>	16×10/100/1000Base-TX PoE Port (Data/Power) 2×1000M SFP	-20°C ~ 70°C				Unmanaged Ethernet Switch 16 Eth 2 Fiber Optic
	<a href="#">ITT-SW-16G4S</a>	16×10/100/1000 Base-T (RJ45) 4×1000Base-X (SFP not Include SFP module)	-40°C ~ 85°C				Unmanaged Industrial Ethernet Switch













### Rack Mount Network Switch Products

Pic.	P/N	Ports	OP. Temp	V-Lan	Managed	POE	Description
	<a href="#">ITT-SWP-24G4S</a>	4×1000Base-X (SFP, Combo) 24×10/100Base-Tx (RJ45)	-40°C ~ 85°C				Unmanaged Industrial PoE Ethernet Switch
	<a href="#">ITT-SW-L2-8G2S</a>	1×RS-232 (RJ45) 4×1000Base-X (SFP) 8×10/100/1000-T (RJ45)	-40°C ~ 85°C				Managed Layer-2 Industrial Ethernet Switch
	<a href="#">ITT-SWP-L2-16G2S</a>	16 x 10/100/1000 Base-TX PoE Ports (Data) 2 x 1000M SFP Slots	-10°C ~ 65°C				Managed Gigabit Intelligent PoE Ethernet Switch
	<a href="#">ITT-SWP-L2-16G2S</a>	16 x 10/100/1000 Base-TX PoE Ports (Data) 2 x 1000M SFP Slots	-10°C ~ 65°C				Managed Gigabit Intelligent PoE Ethernet Switch
	<a href="#">ITT-COR-L3-24S4S+</a>	16×1.25G SFP + 8×100/1000M RG45 COMBO 8×100/1000M SFP COMBO 4×100/1000/2500/10000M SFP / 1 Console	-10°C ~ 55°C				Fiber Optic Switch With 24 SFP Ports, 4×10G Ports and 8-Layer 3 Network Ports
	<a href="#">ITT-SWP-L3-16G4XF</a>	16×1000Mbps PoE Ports with 4×Ports 10G SFP+ Uplink, 1 USB, 1 Console	-10°C ~ 65°C				10 G Ethernet Switch Layer 3 With 16 PoE Ports and 4 SFP Ports
	<a href="#">ITT-SW-L2-8G18S</a>	8×10/100/1000Base-TX RJ45 Port (Data) 18×1000M SFP	-10°C ~ 55°C				L2 Managed Optical Fiber Convergence 18×1000M SFP+8×10/100/1000 Uplink Ports
	<a href="#">ITT-COR-L3-24XF2TF</a>	24×1/10G SFP 2×10G SFP+ Slots	-10°C ~ 60°C				Fiber Optic Layer3 Core Switch 24 Port 10G with 2 Port 40G












### Rack Mount Network Switch Products

Pic.	P/N	Ports	OP. Temp	V-Lan	Managed	POE	Description
	<a href="#">ITT-SW-L2-2G24S</a>	24×1000M SFP Optical Ports 2×10/100/1000M RJ45 Ports	-1°C ~ 40°C	✓	✓		24+2 Management Gigabit Fiber Switch
	<a href="#">ITT-SWP-L2-24G2S</a>	2×1.25G SFP Ports Up-link Ports 24 GE + PoE Ports	-20°C ~ 55°C	✓	✓	✓	24GE+2×1.25G SFP Ports with 24 PoE Ports, 2×1.25G SFP Up-link Ports
	<a href="#">ITT-SWP-24G2S</a>	24GE Ports with 24 PoE Ports 2×1.25G SFP Up-link Ports Port 1-2 Supports 802.3bt 60W	-10°C ~ 55°C	✓		✓	Unmanaged Gigabit Ethernet Switch 24 Port PoE + 2 SFP
	<a href="#">ITT-COR-L3-24XF2TF</a>	24× 1.25G/10G Base-X SFP+ Slots 2× 40G Base-X SFP+ Slots Extend	-20°C ~ 55°C	✓	✓		Fiber Optic Layer3 Core Switch 24 Port 10G with 2 Port 40G
	<a href="#">ITT-SW-L3-24G4S+</a>	24×10/100/1000Base-TX 4×10G SFP+	-20°C ~ 55°C	✓	✓	✓	Manage Gigabit Ethernet Switch 24 Port PoE + 4 SFP
	<a href="#">ITT-SWP-L2-24G4S</a>	24×10/100/1000M PoE Ports 4×Gigabit SFP/ 4 Combo Ports	-20°C ~ 55°C	✓	✓	✓	24 Ports Managed PoE Switch 1×Console Port
	<a href="#">ITT-SW-L2-24G4S</a>	24×10/100/1000Mbps Ethernet Port 4×10/100/1000Mbps SFP Port 1×Console Port	-20°C ~ 50°C	✓	✓		28-Port Managed Layer-2 Gigabit Intelligent Ethernet Switch
	<a href="#">ITT-SWP-L2-24G4S</a>	24×10/100/1000Base 4×1000Base-X (SFP, Combo) 1×RS-232(RJ45)	-40°C ~ 85°C	✓	✓		Managed Industrial Ethernet Switch
	<a href="#">ITT-SWP-L3-48G4S+</a>	48×10/100/1000Base -TX 4×10G SFP+	-10°C ~ 60°C	✓	✓	✓	48-Port 10/100/1000Base-TX PoE Switch 4-Port 10G SFP+ L3
	<a href="#">ITT-SWP-L2-24G4S</a>	Provide 24×10/100/1000Mbps PoE Ports with 4 Gigabit RJ45 and 4 -1.25G SFP 4×1000 Base-X SFP Slots Combo	-10°C ~ 65°C	✓	✓	✓	24-Port 10/100/1000Mbps Managed PoE Switch with 4G Combo












## Industrial Network Switch Products

Pic.	P/N	Ports	OP. Temp	V-Lan	Managed	POE	Description
	<a href="#"><u>ITT-IMC4197</u></a>	10/100/1000Base-T(RJ45) +1×1000Base-X (SFP, not×1 Include SFP Module, Unmanaged	-40°C ~ 75°C				Unmanaged Industrial Gigabit Fiber Converter Series, Industrial Gigabit Fiber Converter
	<a href="#"><u>ITT-ISW-2G1S</u></a>	1×10/100Base-Fixed (FC/SC/ST Optional) 2×10/100Base-Tx (RJ45)	-40°C~ 85°C				Provides 2×Electrical Fast Ethernet Ports and 1×Optical Fast Ethernet Port
	<a href="#"><u>ITT-ISW-4G1S</u></a>	1×100Base-Fx (FC/SC/ST Optional) 4×10/100Base-Tx (RJ45)	-40°C ~ 85°C				Provides 4×electrical Fast Ethernet Ports and 1×Optical Fast Ethernet Port
	<a href="#"><u>ITT-ISWP-4G2S</u></a>	4×10/100/1000BASE-T RJ45 auto-MDI/MDI-X Ports 2×1000Mbps SFP Slots	-40°C ~ 85°C				4-Port 10/100/1000Mbps Industrial PoE Switch With 2 Gigabit RJ45 and SFP
	<a href="#"><u>ITT-ISW-5G1S</u></a>	1×1000Base-X (SFP) 5×10/100/1000Base-Tx (RJ45)	-40°C~ 85°C				Industrial Switch, 5 Network Ports, 1 Unmanaged Gig Fiber Port
	<a href="#"><u>ITT-ISWP-5G-1S</u></a>	5 x 10/100/1000BASE-T RJ45 auto-MDI/MDI-X Ports 1 x 1.25Gbps SFP Slot Connecto	-40°C~ 85°C				4-Port 10/100/1000Mbps Industrial PoE Switch With 1 Gigabit RJ45 and SFP
	<a href="#"><u>ITT-ISW-8G</u></a>	8×10/100/1000Base-TX	-40°C ~ 85°C				Unmanaged 8-Port 10/100 Network industrial Switch

































### Industrial Network Switch Products

Pic.	P/N	Ports	OP. Temp	V-Lan	Managed	POE	Description
	<a href="#">ITT-ISW-8G2S</a>	8 10/100/1000Base-T (RJ45) 2 1000Base-X (SFP)	-40°C ~ 85°C				Gig Switch 8 Port Network 2 non-managed industrial Fiber Port
	<a href="#">ITT-ISWP-8G2S</a>	8 RJ45 Ports: 10/100/1000Base-Tx RJ45 Ports 2 Gigabit Uplink	-40°C ~ 75°C			✔	8 Gigabit PoE Port with 2 Gigabit Uplink Security Industrial PoE Switch
	<a href="#">ITT-ISW-10G2S</a>	2×1000Base-X (SFP, Combo) 8×10/100Base-Tx (RJ45), 2×10/100/1000Base-T (RJ45, Combo)	-40°C ~ 80°C				Unmanaged Industrial Ethernet Switch
	<a href="#">ITT-ISW-16G</a>	16×10/100Base-Tx (RJ45)	-40°C ~ 85°C				Industrial Switch 16 Port Unmanaged Network
	<a href="#">ITT-ISWP-L2-4G2S</a>	4 x 10/100/1000BASE-T RJ45 auto MDI/MDIX Ports for flexible connectivity. 2 x 1000 Base-X SFP Slots for Fiber connections.	-40°C ~ 85°C	✔	✔	✔	Port 10/100/1000Mbps Industrial Managed PoE Switch with 2-4 SFP 1 Console Port for Management.
	<a href="#">ITT-ISWP-L2-8G2S</a>	1×RS-232(RJ45) 2×1000Base-X (SFP) 8×10/100/1000/Base-T (RJ45)	-40°C ~ 85°C	✔	✔	✔	Managed Layer-2 Industrial POE+ Ethernet Switch
	<a href="#">ITT-ISWP-L2-8G2S</a>	2×1000Mbps SFP Ports, 8×10/100/1000M RJ45 Ports with POE RJ45 Port, PoE & PoE+, 2 Port Support++	-40°C ~ 75°C	✔	✔	✔	2×1000 Base-X, 8×10/100/1000Base-T PoE Managed Industrial Ethernet Switches






### Industrial Network Switch Products

Pic.	P/N	Ports	OP. Temp	V-Lan	Managed	POE	Description
	<a href="#"><u>ITT-ISWP-L2-8G-4S</u></a>	8×10/100/1000Mbps PoE Ports with 2×10/100/1000M RJ45 and 4×1.25Gbps SFP Uplink	-40°C ~ 75°C				Management industrial Network Switch with 8 Gigabit PoE Ports with 4 SFP Ports
	<a href="#"><u>ITT-ISWP-L2-8G4S</u></a>	8×10/100/1000M RJ45 4×1000/10000M SFP	-40°C ~ 80°C				Industrial 8G-4×10G Managed PoE Switch 8×1000M PoE+4×1000/10000M SFP
	<a href="#"><u>ITT-ISWP-L2-8G4S</u></a>	4×1000 Base-X (SFP) 8×10/100/1000 Base-T (RJ45)	-40°C ~ 75°C				4×1000 Base-X, 8×10/100/1000Base-T PoE Managed Industrial Ethernet Switch
	<a href="#"><u>ITT-ISW-L2-16G4S</u></a>	16×10/100/1000 Base-TX (RJ45) 4×100/1000Base-FX (SFP)	-40°C ~ 80°C				16 Gigabit Network Management Industrial Switch with 4 Fiber Optic SFP Module Ports
	<a href="#"><u>ITT-ISWP-L3-12G4S+</u></a>	8× 10/100/1000Mbps POE PSE Port 12× 10/100/1000BASE-T RJ45 auto MDI/MDIX Ports 4× 10G Base-X SFP+ Slots 1 Console Port	-40°C ~ 85°C				Provide 8×10/100/1000Mbps PoE Ports with 4 Ports 10/100/1000M RJ45+ 4×10Gbps SFP+, 1 Console Port
	<a href="#"><u>ITT-ISWP-L2-16G4S</u></a>	16×10/100/1000/Base-T (RJ45) 4×1000Base-X (SFP) 1×RS-232 (RJ45)	-40°C ~ 85°C				Industrial Network Switch with 8 POE Ports and 4 SFP Fiber Ports
	<a href="#"><u>ITT-ISWP-L2-8G8S</u></a>	16×10/100/1000/Base-T (RJ45) 8×1000Base-X (SFP) 1×RS-232 (RJ45)	-40°C ~ 85°C				16 Ports Managed Layer-2 Industrial Ethernet Switch












**Module SFP**

Pic.	Mode	Core	Wavelength	Transmission distance	Transmission speed	OP. Temp
	Single-Mode	1 core	1310nm/1550nm	10Km up to 160 Km	1.25 Gbse 10Gbse 40Gbse 100Gbse	-10°C ~ 60°C
		2 core	1310nm/1550nm	10Km up to 160 Km	1.25 Gbse 10Gbse 40Gbse 100Gbse	-10°C ~ 60°C
	Multi-Mode	1 core	850nm/1550nm	100m up to 550m	1.25Gbse 10Gbse 40Gbse 100Gbse	-10°C ~ 60°C














## Media Converter Products

Pic.	P/N	Ports	OP. Temp	POE	Description
	<a href="#"><u>ITT-MC-1GE1BD</u></a>	1×1.25Gbps Full Duplex Fiber Port 1×10/100/1000M Adaptive Ethernet Port	-10°C ~ 55°C		Media Converter 1.25G Ethernet 1SC Port Series Fiber
	<a href="#"><u>ITT-MC-1GE1SFP</u></a>	1×1.25Gbps Full Duplex Fiber Port, 1×10/100/1000M Adaptive Ethernet Port	-10°C ~ 55°C		Media Converter SFP1.25G1E Series Fiber Switch
	<a href="#"><u>ITT-MC-1FE1BD</u></a>	1×10/100 Base (RJ45) 1×100Base BIDI SC (Full Duplex Fiber Port)	-10°C ~ 55°C		Single Core Fiber Optic Cable Media Converter
	<a href="#"><u>ITT-MC-1GE1SC</u></a>	1×10/100/1000 Base (RJ45) 1×1000 Base (SFP)	-10°C ~ 55°C		Single-mode single-Port Fiber Optic Converter for 10/100/1000 Network
	<a href="#"><u>ITT-MC-1G1SFP+</u></a>	1×10G Base (RJ45) 1×10G Base (SFP)	-10°C ~ 55°C		10G Media Converter 10Gbase- TX to 10Gbase-FX
	<a href="#"><u>ITT-MCP-2G1SFP</u></a>	1×1.25Gbps SFP Port 2×10/100/1000Mbps Ethernet Port PoE	-10°C ~ 55°C		Full Gigabit 2+1 PoE Media Converter (60W)
	<a href="#"><u>ITT-MC-2GE1SFP</u></a>	1×1.25Gbps SFP Port 2×10/100/1000Mbps Ethernet Port	-10°C ~ 55°C		Gigabit Media Converter 1×1.25Gbps SFP Port + 2×10/100/1000Mbps Ethernet Port
	<a href="#"><u>ITT-MC-2GE2SFP</u></a>	2×1.25Gbps Full -Duplex Fiber Ports and 2×1000M Ethernet Ports with Auto-Negotiation Function	-10°C ~ 55°C		Media Converter SFP2G2E Series Fiber Switch











### Media Converter Products

Pic.	P/N	Ports	OP. Temp	POE	Description
	<a href="#"><u>ITT-MC-4GE1SFP</u></a>	1×1.25Gbps Full -Duplex Fiber Port and 4×100M Ethernet Ports with Auto-Negotiation Function	-10°C ~ 55°C		Ethernet Fiber Switch which is Designed for Internet Monitoring
	<a href="#"><u>ITT-MCP-4GE1SC</u></a>	1×1.25Gbps Full -Duplex Fiber Port 4×100M Ethernet Ports with Auto-Negotiation Function	-10°C ~ 55°C		Ethernet Fiber Switch which is Designed for Internet Monitoring
	<a href="#"><u>ITT-MCP-4G1SFP</u></a>	1×1.25Gbps Full -Duplex Fiber Port 4×1000M Ethernet Ports with Auto-Negotiation Function	-10°C ~ 55°C		1 Port SFP – 4 Port Ethernet PoE Switch
	<a href="#"><u>ITT-MC-4GE2S</u></a>	4×Port 10/100/1000Mbps RJ-45 2×Port SFP Module	-20°C ~ 70°C		Media Converter 4Port Ethernet 2Port SFP Modules
	<a href="#"><u>ITT-MCP-4GE2SFP</u></a>	2×1.25Gbps Full -Duplex Fiber Ports 4×1000M Ethernet Port with Auto-Negotiation Function	-10°C ~ 55°C		POE Switch Designed for Network Monitoring
	<a href="#"><u>ITT-MC-2GE4SFP</u></a>	4×1.25Gbps Full -Duplex Fiber Ports 2×100M Ethernet Port with Auto-Negotiation Function	-10°C ~ 55°C		Media Converter 4F2E Series Fiber Switch
	<a href="#"><u>ITT-SW-5G</u></a>	5 Port Embedded 10/100/1000 PHY Switch Controller	-10°C ~ 55°C		5 Port 1000M Switch





Modem G.SHDSL.BIS				
Pic.	P/N	Ports	OP.Temp	Description
	<a href="#"><u>ITT-TM4079</u></a>	Available in 1-Port, 2-Port or 4-Port SHDSL.BIS Configurations Four 10/100 Ethernet Ports	-10°C ~ 50°C	SHDSL.BIS EFM Ethernet Access
	<a href="#"><u>ITT-TM660</u></a>	2x E1 (120 Ohm), 2x Ethernet 10/100BaseT (Layer 2 Managed Switch)	-10°C ~ 50°C	NETEX+ TDM Based SHDSL.BIS
	<a href="#"><u>ITT-TM148</u></a>	TC-PAM16/32, Extended: TC-PAM4/8/64/128 Phoenix Mini CombiCom MC 1,5/4-GF-3,5 (Female),4 pins 2 Ethernet	-10°C ~ 50°C	BIS Platform is a Special Part of the Orion 3 Product Family
	<a href="#"><u>ITT-TM163</u></a>	Available in 1-Port ETH & 1Port E1 to 2Wire or 4Wire SHDSL.Bis Configurations ETHH 10/100	-5°C ~ 45°C	SHDSL.BIS EFM Ethernet Access
	<a href="#"><u>ITT-TM161</u></a>	Available in 1-Port ETH & 1Port E1 and (v.35) to 4Wire G. HDSL Bist Configurations ETHH 10/100	-5°C ~ 45°C	SHDSL.BIS EFM Ethernet Access
	<a href="#"><u>ITT-TM23014</u></a>	Available in 1Port ETH(10/100) to 2Wire G.HDSL bis	-5°C ~ 45°C	SHDSL.BIS EFM Ethernet Access





# Surveillance Camera



















Surveillance Camera				
Pic.	P/N	OPTION	OP.Temp	Description
	<b><u>ITT-CI1750</u></b>	Optical 40X 4M Pixels (1920×1080)	-40°C ~ 75°C	Integrated IP Encoder, Hi3516D HD 1080/P30, H.264, H.265,
	<b><u>ITT-CI1749</u></b>	Optical 20X 2M Pixels (1920×1080)	-40°C ~ 75°C	Integrated IP Encoder, Hi3516D HD 1080/P30, H.264, H.265













# Video/Audio Data Over Fiber Media Converter



Video Converter						
Pic.	P/N	Ports	Single-Mode	Multi-Mode	LINK	Description
	<a href="#"><u>ITT-VC-1AHD</u></a>	1×10/100/1000 Base (Fiber) 1×Channel Coaxial Video	20 Km	500 m		1CH Coaxial 1080p HD Video Fiber Optic Converter
	<a href="#"><u>ITT-VC-1AHD</u></a>	1×10/100Base (RJ45) 1×Channel Coaxial Video 1×10/100/1000 Base (Fiber)	20 Km	500 m		1CH Video 1 Ethernet Over Fiber Optic Converter
	<a href="#"><u>ITT-VC-1AHD</u></a>	1×10/100Base (RJ45) 1×Channel Coaxial Video	20 Km	500 m		1V1E Series Ethernet over coaxial media Converter
	<a href="#"><u>ITT-VC-2AHD</u></a>	1×10/100/1000 Base (Fiber) 2×Channel Coaxial Video	20 Km	500 m		2CH Coaxial 1080p HD Video Fiber Optic Converter
	<a href="#"><u>ITT-VC-2AHD</u></a>	1×10/100Base (RJ45) 2×Channel Coaxial Video	20 Km	500 m		2CH Video 1 Ethernet Over Fiber Optic Converter
	<a href="#"><u>ITT-VC-4AHD</u></a>	4×Channel Coaxial Video 1×10/100/1000 Base (Fiber)	20 Km	500 m		4CH Coaxial 1080p HD Video Fiber Optic Converter
	<a href="#"><u>ITT-VC-4AHD</u></a>	1×10/100/1000 Base (Fiber) 4×Channel Coaxial Video	20 Km	500 m		HD AHD Fiber Optical Converter, 4-CH 1080P Video Fiber Optic Transmitter, Single-mode Single Fiber
	<a href="#"><u>ITT-VC-8AHD</u></a>	1×10/100Base (RJ45) 1×10/100/1000 Base (Fiber) 8×Channel Coaxial Video	20 Km	500 m		8CH Video 1 Ethernet Over Fiber Optic Converter AHD/CVI/TVI















### AHD Video converter

Pic.	P/N	Ports	Single Mode	Multi-Mode	LINK	Description
	<a href="#"><u>ITT-VC-8AHD</u></a>	1×10/100/1000 Base (Fiber) 8×Channel Coaxial Video	20 Km	2 Km		8CH Analog Video Over Fiber Converter
	<a href="#"><u>ITT-VC-8AHD</u></a>	1×10/100/1000 Base (Fiber) 8×Channel Coaxial Video	20 Km	500 m		Optic Fiber digital to Analog Convert 8 Channel Fiber Optic Video Converter
	<a href="#"><u>ITT-VC-16AHD</u></a>	1×10/100/1000 Base (Fiber) 16×Channel Coaxial Video	20 Km	500 m		16CH Video Over Fiber Optic Converter
	<a href="#"><u>ITT-VC-32AHD</u></a>	32 channels Video Over a Fiber Optic Media Converters - for Analog Cameras	20 Km	500 m		32ch Analog Video Over Fiber Converter





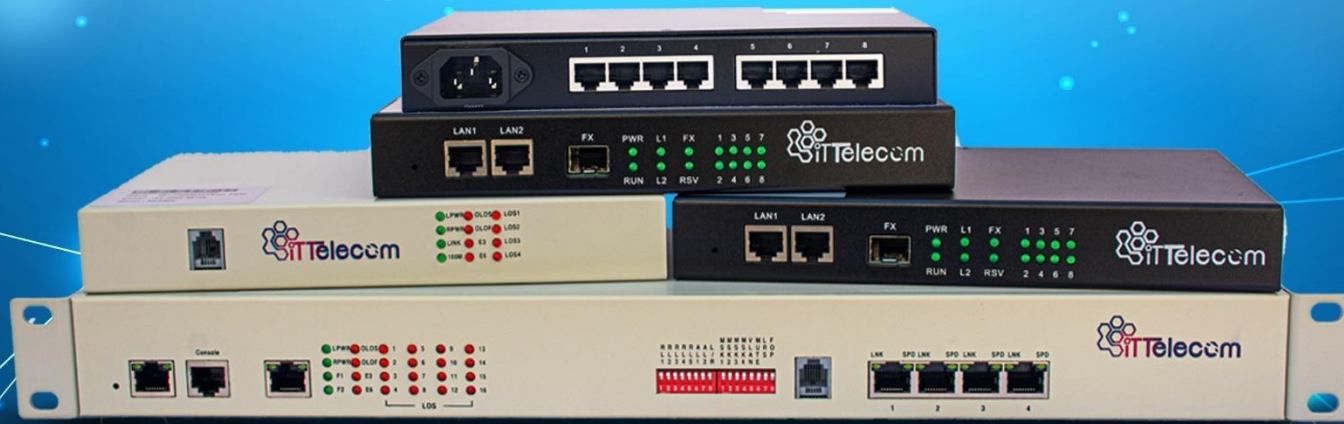
HDMI Video Extender						
Pic.	P/N	Ports	CODEC	OP. Temp	LINK	Description
	<a href="#">ITT-IHDMI-1IP</a>	3.5MM line-in audio 1× RJ45 Gigabit Full -Duplex Network LAN 1×HDMI In 1×HDMI Out	H.264 HIGH	-20°C ~ 60°C		Industrial HDMI Over IP- 1 Channel
	<a href="#">ITT-2HDMI-4IP</a>	3.5MM line-in/out audio 1× RJ45 Gigabit Full -Duplex Network LAN 2×HDMI In 1×HDMI Out	H.265 HIGH	-20v~ 60°C		2HDMI-Over 4 IP Streams
	<a href="#">ITT-HDMI-1IP</a>	3.5MM line-in/out audio 1× RJ45 Gigabit Full -Duplex Network LAN 1×HDMI In	H.264 HIGH	-20°C ~ 60°C		HDMI over IP- 1Channel
	<a href="#">ITT-HDMI-1080</a>	1×HDMI IN /HDMI OUT 2×USB 1×FIBRLC 1×IR-TX	H.265 HIGH	-1°C ~ 45°C		HDMI Fiber Extender is a Device to use Single Mode and Bidirectional Fiber Cable to Transmit HD Audio and Video the Longest Distance is 20km
	<a href="#">ITT-HDMI-IP4K</a>	1×HDMI IN /HDMI OUT 2×USB 1×RJ45 1×IR-TX	H.265 HIGH	-1v~ 45°C		4K 200M KVM IP Extender
	<a href="#">ITT-HDMI-4k</a>	1×HDMI IN /HDMI OUT 2×USB 1×RJ45 1×RS232 1×IR-TX	H.265 HIGH	-10°C ~ 55°C		HDMI/KVM Extender Over Fiber 20km (4K@60Hz)
















# Transmission Systems












## Transmission Systems

Pic.	P/N	Ports	OP. Temp	Description
	<a href="#"><u>ITT-MU1441</u></a>	4×E1 Channel voice 1×FIBER 1×RJ45	-10°C ~ 50°C	4E1+1FE PDH Fiber Multiplexer (Desktop)
	<a href="#"><u>ITT-MU8595</u></a>	4×E1 Channel voice 1×Optical Port 1×SFP	-10°C ~ 50°C	4E1 PDH Fiber Multiplexer
	<a href="#"><u>ITT-MU8392</u></a>	4×MultiFunction Slots 4×Fast Ethernet (FE) Ports 2×Optical Ports 2×SFP	-10°C ~ 60°C	Modular Multi-Service Fiber MUX
	<a href="#"><u>ITT-MU1440</u></a>	8×VOIP 2×LAN 1×FIBER	-10°C ~ 50°C	8xVoiceOver IP
	<a href="#"><u>ITT-MU8593</u></a>	8×E1 Channel voice 4×FIBER	-10°C ~ 50°C	8E1+4FE PDH Multiplexer
	<a href="#"><u>ITT-MU4142</u></a>	8×VoicePorts FXO/FXS 1×RJ45 Ethernet 1×SFP	-10°C ~ 50°C	Fiber - 8Voice+ FE Multiplexer
	<a href="#"><u>ITT-MU4109</u></a>	8×VoicePorts FXO/FXS 4×RJ45 Ethernet 1× SFP	-10°C ~ 50°C	8×Voice/Audio Fiber Multiplexer (ITT-OP-MUX08)
	<a href="#"><u>ITT-MU8599</u></a>	16×E1 Channel Voice 4×RJ45 10/100/1000 2× FIBER	-10°C ~ 50°C	16E1+4GE PDH Fiber Multiplexer
	<a href="#"><u>ITT-MU1442</u></a>	16 channel Voice 4×10M/100M Ethernet 4×RS232	-10°C ~ 50°C	16FXO/FXS +4E1+4FE +4RS232/422/485 Fiber Multiplexer







## Transmission Systems





Pic.	P/N	Ports	OP. Temp	Description
	<a href="#"><u>ITT-MU8594</u></a>	16×E1 Ports 4×Fast Ethernet (FE) Ports 2×Optical Ports	-10°C~ 50°C	16E1+4FE PDH Fiber Multiplexer
	<a href="#"><u>ITT-MU3801</u></a>	16×VoicePorts FXO/FXS 1× SFP	-10°C~ 50°C	Fiber-16 Voice Multiplexer
	<a href="#"><u>ITT-MU3791</u></a>	16×E1 Channel Voice 1×RJ45 Ethernet 2× SFP	-10°C~ 50°C	Fiber-16 Voice Multiplexer
	<a href="#"><u>ITT-MU3793</u></a>	30×VoicePorts FXO/FXS 1×RJ45 Ethernet 2× SFP	-10°C~ 50°C	1-30VoiceFiber Multiplexer
	<a href="#"><u>ITT-MU1443</u></a>	30 × E1 Channel Voice 4×10M/100M Ethernet	-10°C~ 50°C	16FXO/FXS +4E1+4FE +4RS232/422/485 Fiber Multiplexer
	<a href="#"><u>ITT-MU4115</u></a>	60×VoicePorts FXO/FXS 4×RJ45 Ethernet 2× SFP	-10°C~ 50°C	1~ 60 POTS (FXO/FXS) Over Fiber Multiplexer
	<a href="#"><u>ITT-MU8598</u></a>	64×Channel Telephone 2×RJ45 Ethernet 2×SFP	-10°C~ 50°C	Fiber 64 Voice+ 2 FE Multiplexer
	<a href="#"><u>ITT-MU1444</u></a>	64× E1 Channel C 4×10M/100M Ethernet interface	-10°C~ 50°C	64Voice+ 4E1 + 4FE Fiber Multiplexer Console or SNMP, Fiber (1+1) redundancy for option
	<a href="#"><u>ITT-MU4101</u></a>	256× Voice Ports FXO/FXS 4×RJ45 Ethernet (FE, 10/100) 4×E1 Ports	-10°C~ 50°C	256 POTS (FXO/FXS) Over Fiber Multiplexer



### E1 Convertor

Pic.	P/N	Ports	OP. Temp	Description
	<a href="#"><u>ITT-MU10952</u></a>	1×E1 Channel voice 1×RJ45 Ethernet (FE) 1×SFP	-0°C ~ 45°C	10/100Mbps Ethernet to E1 Protocol Converter
	<a href="#"><u>ITT-MU8597</u></a>	16×E1 Channel Voice 4×RJ45 Ethernet (FE)	-10°C ~ 50°C	16E1 4FE Interface
	<a href="#"><u>ITT-MU8393</u></a>	1×E1 Channel voice 1×RJ45 Ethernet (FE)	-10°C ~ 50°C	E1-FE Converter
	<a href="#"><u>ITT-MC3812</u></a>	E1/V.35 Card HM-C104 FE1/V.35 Card E1/10(100) Baset Card HM-C110 V.35/Ethernet Card	-5°C ~ 50°C	14 Slots Rack Mount E1 to Ethernet Protocol Converter Rack Mount E1 to Ethernet

### TDM Over IP

Pic.	P/N	Ports	OP. Temp	Description
	<a href="#"><u>ITT-TDM-4E1</u></a>	Provide 4 E1 Channels and 1×10/100Base-TX and 1×100Base-FX Interface	-10°C ~ 50°C	4×E1 Over Ethernet (IP) Desktop Type
	<a href="#"><u>ITT-TDM-8E1</u></a>	8E1/4FE Interface Converter 4channel 100M Ethernet Transmission Over 8E1 4channel Ethernet Supports VLAN SNMP or Console Managed	-10°C ~ 50°C	This Device Can Support 1-8 Channel E1 Channel Configuration
	<a href="#"><u>ITT-TDM-16E1</u></a>	1-4×10/100/1000M Ethernet Interface (Wire Speed 1000M) and 2 Expansion Interface The Device Provides 1-16×E1 Interface	-10°C ~ 50°C	16E1+4GE PDH Fiber Multiplexer
	<a href="#"><u>ITT-MU8596</u></a>	16×E1 Channel Voice 2×RJ45 Ethernet (FE) 1×SFP	-10°C ~ 50°C	16×E1 Over Ethernet (IP)






























# Serial Converter




















Serial Converter						
Pic.	P/N	Ports	OP.Temp	Din-Rail	Server	Description
	<b><u>ITT-SR5401</u></b>	1×RS 485/422 1×10/100Base (RJ45) 1×Serial (RS232)	-40°C ~ 85°C			LoRa Wireless Data Transmission Device
	<b><u>ITT-SR4781</u></b>	1×10/100Base (RJ45) 1×Serial (RS232) 1×RS485 1×SIM Card 1×Antenna 50Ω (Female)	-40°C ~ 85°C			P2P 3G/4G Data Transfer Unit
	<b><u>ITT-SR4780</u></b>	1×10/100Base (RJ45) 1×Serial (RS232) 1×RS485 1×WiFi802.11b/g/n	-40°C ~ 85°C			Serial Device Server Wi-Fi
	<b><u>ITT-SR4479</u></b>	1×Serial (RS232) 1×RJ45 Ethernet Port (10/100 Mbps) 1×Wi-Fi Interface (802.11b/g/n)	-40°C ~ 85°C			Industrial Wireless AP, RJ45 to Wi-Fi, Ethernet to Wi-Fi, Wi-Fi to Ethernet, Wire to Wi-Fi, Wire to Wireless
	<b><u>ITT-SR4782</u></b>	1×10/100Base (RJ45) 1×Serial (RS232) 1×RS485 1×SIM Card 1×Antenna 50Ω (Female)	-40°C ~ 85°C			GPRS Data Transfer Unit



Serial converter						
Pic.	P/N	Ports	OP.Temp	Din-Rail	Server	Description
	<a href="#"><u>ITT-SR1812</u></a>	1×Serial (RS232) 1×RS485/422 1×SC Fiber Optic Port	-40°C ~ 85°C			Fiber Optic Serial Device Server (20k)
	<a href="#"><u>ITT-SR4213</u></a>	1×Serial (RS232) 1×RS485/422 1×SC Fiber Optic Port	-40°C ~ 85°C			Fiber Optic Serial Device Server (20k)
	<a href="#"><u>ITT-SR783</u></a>	1×Serial (RS232) 1×RS485/422 1×SC Fiber Optic Port	-40°C ~ 85°C			Fiber Optic Serial Device Server (20k)
	<a href="#"><u>ITT-SR4808</u></a>	1×10/100Base (RJ45) 1×RS485/422 1×Serial (RS232)	-45°C ~ 85°C			Serial Device Server
	<a href="#"><u>ITT-SR4211</u></a>	1×10/100Base (RJ45) 1×Uplink (RJ45) 2×RS232/422 2×RS485	-45°C ~ 85°C			2 Ports Serial Device Server









### Serial converter

Pic.	P/N	Ports	OP.Temp	Din-Rail	Server	Description
	<a href="#"><u>ITT-SR4211</u></a>	1×10/100Base (RJ45) 1×Uplink (RJ45) 2×RS232/422 2×RS485	-45°C ~ 85°C			2 Ports Serial Device Server
	<a href="#"><u>ITT-SR4763</u></a>	1×10/100Base (RJ45) 1×Uplink (RJ45) 4×RS485/422 4×RS232	-30°C ~ 85°C			4 Ports Serial Device Server
	<a href="#"><u>ITT-SR4761</u></a>	8×RS232 serial 8×RS485 serial ports	-30°C ~ 85°C			RS232/485 To TCP/IP Multi 8 Port Modbus Serial
	<a href="#"><u>ITT-SR4768</u></a>	8-way relay output 8-channel digital input 4-channel voltage 4-channel current acquisition	-30°C ~ 85°C			8 Channels WIFI Modbus TCP Ethernet Remote IO Module
	<a href="#"><u>ITT-SR4212</u></a>	4×RS232/RS485/RS422 Serial Ports 4×RS485/422 1×10/100Base (RJ45) 1×Uplink (RJ45)	-30°C ~ 85°C			RS232/485 To TCP/IP Multi 4 Port Modbus Serial
	<a href="#"><u>ITT-SR4764</u></a>	16× RS232/RS485/RS422 Serial Ports (RJ45) 4× Ethernet Ports (10/100Base-T, (RJ45) 1× Uplink Port (RJ45)	-30°C ~ 85°C			












Remote I/O Controller					
Pic.	P/N	Ports	OP.Temp	Din-Rail	Description
	<u><a href="#">ITT-SR2970</a></u>	1×RS232 4×RS485	-45°C~ 85°C		Isolation Hub RS232/485
	<u><a href="#">ITT-SR4765</a></u>	4×RS485	-45°C~ 85°C		Remote I/O Controller Modbus RTU
	<u><a href="#">ITT-SR4766</a></u>	4×RS485	-45°C~ 85°C		Remote I/O Controller Modbus TCP
















# Passive Optical Fiber Equipment



Tactical Fiber optic cable		
Pic.	P/N	Description
	<a href="#"><u>ITT-FI4215</u></a>	The Tactical Fiber Optic Cable with TPU Coating Offers Excellent Protection Against Harsh Conditions, Ensuring Reliable High-speed Data Transmission in Outdoor and Military Environments.
	<a href="#"><u>ITT-FI1292</u></a>	Nexans 12-core Multi-mode Fiber Optic Cable with Outdoor Armor for Protection.
	<a href="#"><u>ITT-FI1288</u></a>	Nexans 8-core single-mode Fiber Optic Cable with Outdoor Armor, Offering Durable, High-Speed Performance for Harsh Environments.
	<a href="#"><u>ITT-FI1423</u></a>	4C Armored Fiber Optic Cable with TPU Jacket (5.0mm) Durable 4-Core Armored Fiber Optic Cable with a TPU Jacket, Offering Strong Protection and Flexibility.
	<a href="#"><u>ITT-FI10474</u></a>	4C Armored Fiber Optic Cable with TPU Jacket (5.0mm) Durable 4-core Armored Fiber Optic Cable with a TPU Jacket, Offering Strong Protection and Flexibility.
	<a href="#"><u>ITT-FI10473</u></a>	2C Armored Fiber Optic Cable with TPU Jacket (5.0mm) A 2-core Armored Fiber Optic Cable with TPU Jacket, Designed for Durability and Flexibility in Tough Conditions.
	<a href="#"><u>ITT-TAC-RL500</u></a>	4C/2C Armored Fiber Optic Cable with TPU Jacket (5.0mm) A 2-core Armored Fiber Optic Cable with TPU Jacket, Designed for Durability and Flexibility in Tough Conditions.





Power Switching					
Pic.	P/N	Input & Output	OP.Temp	Din-Rail	Description
	ITT-IPD-48V10A	Input: 85~264VAC Output: 12V 10A DC	-10°C ~ 65°C		AC-DC Ultra Slim DIN Rail Power Supply. Input Range 85-264VAC; Output 12DC at 10A.
	ITT-IPD-48V5A	Input: 85~264VAC Output: 24V 5A DC	-10°C ~ 65°C		AC-DC Ultra Slim DIN Rail power Supply. Input Range 85-264VAC; Output 24DC at 5A.
	ITT-IPD-48V2.5A	Input: 85~264VAC Output: 48V 2.5A DC	-10°C ~ 65°C		AC-DC Ultra Slim DIN Rail Power Supply. Input Range 85-264VAC; Output 48DC at 2.5 A.
	ITT-IPD-48V1.5A	Input: 85~264VAC Output: 48V 1.5A DC	-10°C ~ 65°C		AC-DC Ultra Slim DIN Rail Power Supply. Input Range 85-264VAC; Output 48DC at 1.5 A.
	ITT-IPD-48V2.5A	Input: 85~264VAC Output: 48V 2.5A DC	-10°C ~ 65°C		AC-DC Ultra Slim DIN Rail Power Supply. Input Range 85-264VAC; Output 48DC at 2.5 A.
	<u>ITT-POW-12V2.1A</u>	Input: 100~264VAC Output: 12V 2.1A DC	-10°C ~ 60°C		25W Single Output Switching Power Supply.







### Power Switching

Pic.	P/N	Input & Output	OP.Temp	Din-Rail	Description
	<a href="#"><u>ITT-POW-24V2.2A</u></a>	Input: 85~264VAC Output: 24V 2.2A DC	-10°C ~ 60°C		52W Single Output Switching Power Supply.
	<a href="#"><u>ITT-POW-48V3.3A</u></a>	Input: 100~264VAC Output: 48V 3.3A DC	-10°C ~ 60°C		160W Single Output Switching Power Supply.

### Radio over IP

Pic.	P/N	Description	OP.Temp
	<a href="#"><u>ITT-ROIP-1CH</u></a>	ROIP over IP (TX, RX, PTT, SQ) 1×CH Standard Radio Analogue Over IP	-10°C ~ 65°C
	<a href="#"><u>ITT-ROIP-4CH</u></a>	ROIP over IP (TX, RX, PTT, SQ) 4×CH Standard Radio Analogue and DMR Over IP	-10°C ~ 65°C










## Industrial Headsets



## Industrial Headsets

Pic.	P/N	Description	OP.Temp
	<a href="#"><u>ITT-HS136</u></a>	<p>Frequency Response: 100Hz to 5 kHz            Operating Voltage: 8-32 Volts DC            Matching Impedance: 150Ω~1KΩ            Sensitivity: -33+/-4 dB</p>	-10°C ~ 65°C
	<a href="#"><u>ITT-HS137</u></a>	<p>Sensitivity: 0.-71dB ±3dB (at L=50cm) (0dB=1v/pa, 1KHz)            Impedance low Impedance 1500            Frequency: 150Hz-7KHz            Pattern: Hyper cardioid</p>	-10°C ~ 65°C
	<a href="#"><u>ITT-HS177</u></a>	<p>Frequency Response: 100 Hz to 5 kHz            Operating Voltage: 8-32 Volts DC            Matching Impedance: 150Ω~1KΩ            Sensitivity: -33±4 dB</p>	-10°C ~ 65°C
	<a href="#"><u>ITT-HS173</u></a>	<p>Electret Microphone with Flexible Boom Arm (160 mm long)            Robust Microphone Designed for Tough Environments            Excellent Noise Cancelling Function</p>	-10°C ~ 65°C
	<a href="#"><u>ITT-HS3321</u></a>	Industrial Handset H-189 GR Durable Communication for Harsh Environments	-10°C ~ 65°C





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