

OnAccess G4202TCP

One Ports Long Reach PoE+ Extender



OnAccess G4202TCP enables all enterprises, integrator, network service providers to set up an IP infrastructure in a remote location where 802.3af/at/bt PoE+ compliant powered devices can receive both data and power via OnAccess G4224 Long Reach PoE++ managed switch and OnAccess G4202TCP Long Reach PoE extender, but not limited to the normal 100 meters.

Power over Any Wire is an effective tool for powering Ethernet devices that need to be located in areas where power is not currently available and would be difficult or costly to install. In such cases, power can be provided over existing cable, such as twisted-pair, coaxial cabling, UTP, which simplifies installation, saves time, and eliminates the cost of new wiring.

OnAccess G4224 and G4202TCP products allowing upgrades from analog cameras to high-quality digital IP cameras in security and surveillance applications, interconnection of communication equipment in cellular backhaul applications, and interconnection of wireless equipment in WAN/LAN networks, all without the high cost of replacing the existing cable.

Application

Long Reach Power over Any Wire Solution:



Business Benefits

- Super-fast speed over existing 2 wire copper, 4 wire copper, coaxial cable
- Reduce time to service and save over 40% vs. pulling new cables
- Accelerate your return on investment by reducing infrastructure costs
- Simplify your IP modernization, collapsing planning and deployment time
- Eliminate infrastructure barriers, risks, disruption and costs
- Create a robust plug-and-play IP platform that is easy to deploy and manage
- Be environmentally responsible during your IP upgrades

Specification

Hardware Specifications		
Input Power		USB Type-C, 20V/3A
Ethernet Interface	Copper	2×10/100/1000Base-TX RJ45 auto-negotiation auto-MDI/MDIX
	Power over Ethernet Standard	IEEE 802.3af/at PoE PSE(Power Source Equipment)
	PoE Output	51VDC, 600mA max
	PoE Budget	Up to 30W
	PoE Mode	End-span, RJ45 Pin 1/2(-),3/6(+)
	Data Rate	10/100/1000Mbps
	Cabling	Cat5e or above
	Maximum Distance	100 meters
Long Reach PoE Interface	Connectivity	1×RJ45 connector(Long Reach PoE over twisted-pair PD), SISO or MIMO
		1×F/BNC female connector(Long Reach PoE over

		coaxial PD), SISO		
	Power Input	37~56VDC		
	Power Pin Assignment	UTP: RJ45 Pin 1,2,3,4: DC- RJ45 Pin 5,6,7,8: DC+ Coaxial F/BNC center pole: DC- F/BNC shield: DC+		
	Cabling	Twisted-Pair: 2 wire bundled telephone line 4 wire ISDN bundled telephone line Cat.3,4,5,5e UTP cable EIA/TIA-568 100-ohm STP Coaxial: Coaxial cable: 75ohm		
	Maximum Distance	Depends on cable type		
	Security	128-bit AES encryption		
LED Indicators	LED	Color	Function	
	PWR	Yellow	local power status	
	G.hn	Green Yellow	G.hn link status	
	ACT	Yellow	Ethernet port link status	
Button	Press more than 15s, factory to default configuration			
Enclosure	Hardened aluminum case,IP30			
Installation	Wall mount or desktop			
Dimensions(H×W×L)	38 x 77 x 107 mm			
Weight	340g			
Standards Conformance				
Standards Compliance	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-T Fast Ethernet IEEE 802.3z 1000Base-T Fast Ethernet IEEE 802.3af Power over Ethernet(802.3at Type1) IEEE 802.3at Power over Ethernet(802.3at Type2) IEEE 802.3bt Power over Ethernet(802.3bt Type3 and Type4)			
Environment				
Temperature	Operation: 0~40 degree C Storage: -25~70 degree C			
Humidity	Operating: 10~90%(non-condensing) Storage: 5~95%(non-condensing)			
G.hn performances & Specification				

Line Modulation Way	OFDM(Orthogonal Frequency Division Multiplexing)
G.hn Specification	2 ~ 200 MHz for Baseband Power Mask Notching Dynamic PSD NDIM(Neighbor Domain Interface Mitigation) Radio Band Notching function NEXT(Near End Crosstalk) Mitigation

Order Information

Available Models	Description
G4202TCP	1*G.hn Port (RJ45 and Coaxial F connector combo, data + PoC) 2* 10/100/1000Base-T RJ45 with 802.3at (30W) output