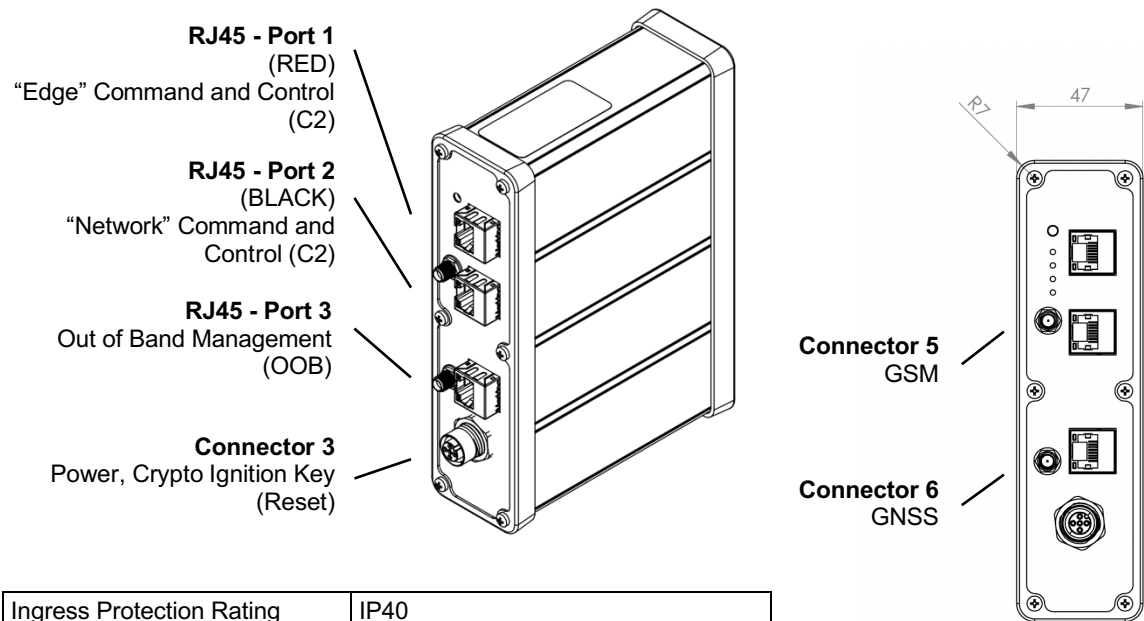


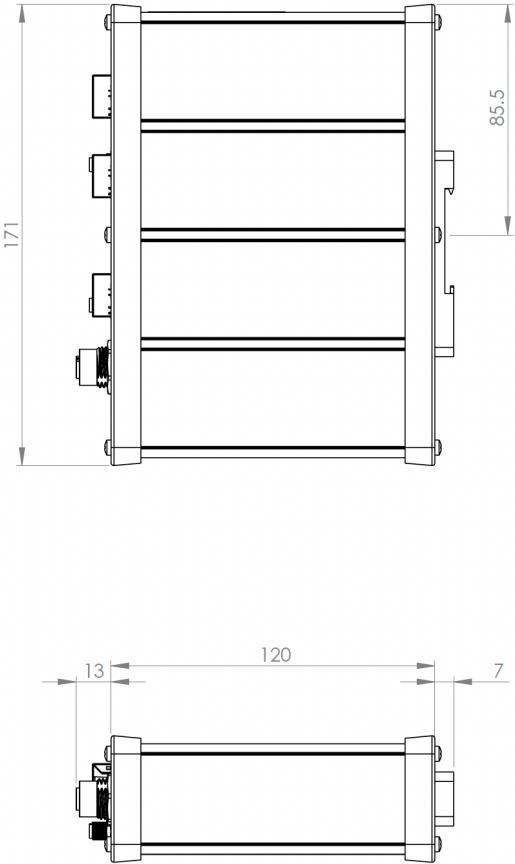
KEYSPACE TECHNOLOGY – S100-100 (STANDARD DUTY)



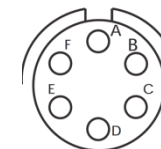
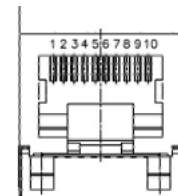
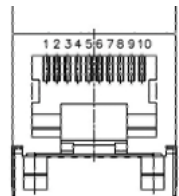
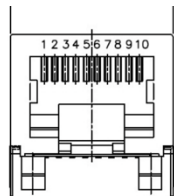
Single M12m IC Endpoint Protector for common industrial control environments.



Ingress Protection Rating	IP40
Dimensions (H x W x D)	171mm x 47mm x 140mm
Weight	0.8kg
Max Power Consumption	8W
DC Input Voltage (Max Range)	9.6 to 60 VDC
DC Input Voltage (Nominal)	12, 24 or 48 VDC
Voltage In-rush	MAX 2A
Grounding	Chassis Lug
MTBF	1,592,686 hours
Mounting	DIN 35mm
Ventilation	Passive Dissipation
Min Clearance	2mm
Operating Temperature	-40C to +95C (Sealed Enclosure)
Operating Altitude	Up to 15,000 feet (4570 meters)
Humidity	5 to 95% (noncondensing)
EMC	CFR 47 Part 15B, ICES003
EMI	EN61000-4-X, CISPR16-4-2



Connector 1	Connector 2	Connector 3	Connector 4
RED / Plaintext	BLACK / Ciphertext	BLACK / Ciphertext	
"Edge" Command and Control (C2)	"Network" Command and Control (C2), Keyspace In-band Management	Keyspace Out of Band Management	Power + Crypto Ignition Key (CIK, RESET)
RJ45 EIA/TIA 568A (T568A)	RJ45 EIA/TIA 568A (T568A)	RJ45 EIA/TIA 568A (T568A)	Amphenol 62GB-12E10-06PN



1	GRN/WHT	GRN/WHT	GRN/WHT	GND	Chassis
2	GRN	GRN	GRN	PWR	Primary
3	ORG/WHT	ORG/WHT	ORG/WHT	PWR	Secondary
4	BLU	BLU	BLU	TX	CIK
5	BLU/WHT	BLU/WHT	BLU/WHT	RX	Debug
6	ORG	ORG	ORG		Reset
7	BWN/WHT	BWN/WHT	BWN/WHT		
8	BWN	BWN	BWN		

Connector 5	Connector 6
GSM (Optional)	GNSS (Optional)
3.5mm SMA	3.5mm SMA

CONNECTIVITY

- Default pin-out for Internet Protocol (IPv4) and Serial communication over Ethernet and Cabled connections – additional signal types and configurations are possible.
- Communication speeds and physical connection type determined by final IC configuration; default values shown.
- Serial connectivity (NOT RJ45 version) includes MIL-STD1553, (2x) RS232, (1x) RS422, (2x) RS485, (2x) CAN

CAUTIONS:

- Operating temperatures exceeding 60°C are not covered by the product safety certifications and approvals.
- Derate max operating temperature 1.5°C per 1000 feet above 5000 ft
- IP40 compliant only when all IP67 cables are mated and torqued appropriately or with the supplied dust caps attached .

