



**1RU & 2RU Rack Mount
CPRI T-Modules,
Front Facing Ports**

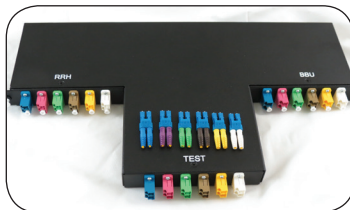
APPLICATIONS

Common Public Radio Interface (CPRI) was developed to allow Radio Frequency (RF) to be delivered over fiber. CPRI can be utilized at next generation cell sites using fiber-to-the-antenna (FTTA), where the baseband unit (BBU) is placed at the base of the tower and fiber feeds the remote radio heads. The CPRI link connects the remote units to the baseband. Current testing requires a tower climb. With the recent development of base station analyzers, field techs can now gain access to RF signals and the spectrum without having to climb the tower. The analyzers can be used with distributed antenna systems (DAS), small cells, hybrid sites and macro cellular locations. Validating and debugging CPRI links between devices such as remote radio heads (RRH) and BBU's has become much easier and less costly. Such testing requires a CPRI Interface Test Panel (ITP).

The CABLCON CPRI ITP is installed between the Optical CPRI BBU and the RRH. The ITP allows carriers to view and troubleshoot RF interference within the uplink Rx spectrum. The test panel provides non-service affecting monitor ports for which a protocol analyzer can be used to decode the transmit data stream from an active antenna.

1RU FEATURES & BENEFITS

- 1RU single module with frontal ports 2" from access door allowing for parking lot dust plugs and future permanent test cords
- Shallow 11" depth for space constraints
- T shaped module with easily identifiable port sections titled; RRH, TEST, BBU
- Directory for fiber path routing & labeling
- Reversible rack mounting ears for 19" & 23" wide frames
- Robust powder coated steel construction
- Manufactured in the USA in our ISO 9001 and TL 9000 Certified plants



SPECIFICATIONS

Dimensions:	17"W x 11"D x 1.75"H
Weight:	8 lbs.
Material:	Enclosure, Cover, Module and Door Steel
Coating:	Electrostatically applied powder coat
Connector Style:	LC/UPC
Modular Couplers:	Duplex LC Bulkheads; Qty. 18 (Blue, Violet, Green, Brown, Yellow, White) 1x2; 50:50 Split; 9/125um; Qty. 1

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**1RU & 2RU Rack Mount
CPRI T-Modules,
Front Facing Ports**

Description - Full Systems	Part Number
1RU CPRI ITP w/1 Module Front Access Panel w/6 SM Duplex Jumpers 2M	CPRI-1FA1-2M
1RU CPRI ITP w/1 Module Front Access Panel w/6 SM Duplex Jumpers 3M	CPRI-1FA1-3M
1RU CPRI ITP w/1 Module Front Access Panel w/6 SM Duplex Jumpers 5M	CPRI-1FA1-5M
1RU CPRI ITP w/1 Module Front Access Panel w/6 SM Duplex Jumpers 7M	CPRI-1FA1-7M
Description - Full Systems	Part Number
Empty 1 RU Front Access Panel -Holds up to 1 Front Access Module	CPRI-1FA0
Front Access (T) Test Module w/6 SM Duplex Jumpers 2M	CPRI-TCASS18-2M
Front Access (T) Test Module w/6 SM Duplex Jumpers 3M	CPRI-TCASS18-3M
Front Access (T) Test Module w/6 SM Duplex Jumpers 5M	CPRI-TCASS18-5M
Front Access (T) Test Module w/6 SM Duplex Jumpers 7M	CPRI-TCASS18-7M
Kit of 6 SM Duplex Jumpers 2M	CPRI-6LCLC-2M
Kit of 6 SM Duplex Jumpers 3M	CPRI-6LCLC-3M
Kit of 6 SM Duplex Jumpers 5M	CPRI-6LCLC-5M
Kit of 6 SM Duplex Jumpers 7M	CPRI-6LCLC-7M
Blank Strip	CPRI-BLANK

2RU FEATURES & BENEFITS

- 2RU enclosure able to accommodate up to (3) test modules or (18) test ports
- May order enclosure chassis and populate with modules as network requires, saving budget for additional sites
- Shallow 11” depth for space constraints
- Modules with frontal ports 2” from access door allowing for parking lot dust plugs and future permanent test cords
- T shaped module with easily identifiable port sections titled; RRH, TEST, BBU
- Directory for fiber path routing & labeling
- Reversible rack mounting ears for 19” & 23” wide frames
- Robust powder coated steel construction
- Manufactured in the USA in our ISO 9001 and TL 9000 Certified plants





**1RU & 2RU Rack Mount
CPRI T-Modules,
Front Facing Ports**

SPECIFICATIONS

Dimensions:	17"W x 11"D x 3.50"H
Weight:	14 lbs.
Material:	Enclosure, Cover, Module and Door Steel
Coating:	Electrostatically applied powder coat
Connector Style:	LC/UPC
	Duplex LC Bulkheads (Blue, Violet, Green, Brown, Yellow, White)
Modular Couplers:	1x2; 50:50 Split; 9/125um

Description - Full Systems	Part Number
2RU CPRI ITP 3 Module Capacity w/1 Module Front w/6 SM Duplex Jumpers 2M	CPRI-2FA1-2M
2RU CPRI ITP 3 Module Capacity w/1 Module Front w/6 SM Duplex Jumpers 3M	CPRI-2FA1-3M
2RU CPRI ITP 3 Module Capacity w/1 Module Front w/6 SM Duplex Jumpers 5M	CPRI-2FA1-5M
2RU CPRI ITP 3 Module Capacity w/1 Module Front w/6 SM Duplex Jumpers 7M	CPRI-2FA1-7M
2RU CPRI ITP 3 Module Capacity w/2 Module Front w/12 SM Duplex Jumpers 2M	CPRI-2FA2-2M
2RU CPRI ITP 3 Module Capacity w/2 Modules Front w/12 SM Duplex Jumpers 3M	CPRI-2FA2-3M
2RU CPRI ITP 3 Module Capacity w/2 Modules Front w/12 SM Duplex Jumpers 5M	CPRI-2FA2-5M
2RU CPRI ITP 3 Module Capacity w/2 Modules Front w/12 SM Duplex Jumpers 7M	CPRI-2FA2-7M
2RU CPRI ITP 3 Module Capacity w/3 Modules Front w/18 SM Duplex Jumpers 2M	CPRI-2FA3-2M
2RU CPRI ITP 3 Module Capacity w/3 Modules Front w/18 SM Duplex Jumpers 3M	CPRI-2FA3-3M
2RU CPRI ITP 3 Module Capacity w/3 Modules Front w/18 SM Duplex Jumpers 5M	CPRI-2FA3-5M
2RU CPRI ITP 3 Module Capacity w/3 Modules Front w/18 SM Duplex Jumpers 7M	CPRI-2FA3-7M
Description - Full Systems	Part Number
Empty 2 RU Front Access Panel -Holds up to 3 Front Access Modules	CPRI-2FA0
Front Access (T) Test Module w/6 SM Duplex Jumpers 2M	CPRI-TCASS18-2M
Front Access (T) Test Module w/6 SM Duplex Jumpers 3M	CPRI-TCASS18-3M
Front Access (T) Test Module w/6 SM Duplex Jumpers 5M	CPRI-TCASS18-5M
Front Access (T) Test Module w/6 SM Duplex Jumpers 7M	CPRI-TCASS18-7M
Kit of 6 SM Duplex Jumpers 2M	CPRI-6LCLC-2M
Kit of 6 SM Duplex Jumpers 3M	CPRI-6LCLC-3M
Kit of 6 SM Duplex Jumpers 5M	CPRI-6LCLC-5M
Kit of 6 SM Duplex Jumpers 7M	CPRI-6LCLC-7M
Blank Strip	CPRI-BLANK





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TESTING & VERIFICATION

- Manufacturing process driven through a Control Plan
- Consecutive inspections throughout the manufacturing process
- All points of connection are tested for Insertion and Return Loss (IL/RL)
- Validation testing to 3dB split 50/50 is correct (+/- .3dB, >-50dB Back Reflection)
- All points of connection tested for End Face Cleanliness (EFC) to IEC standard IEC-61300-3-35 using digital mapping software
- Proprietary fiber mapping process as first level quality assurance for port-to-port continuity
- VFL (laser source) introduced into each splitter (IN) port to verify location of the 50/50 test ports.

