



# iMAP™ CFC12 (AT-TN-408)

## Central Fabric Controller Module—12Gbps

### Carrier-Grade Controller

The Allied Telesis integrated Multiservice Access Platform (iMAP™) CFC12 controller module is available for use with the Allied Telesis iMAP™ 9100 chassis.

The iMAP CFC12 enables the Allied Telesis MiniMAP™ 9100. When operating in the 9100 chassis, the iMAP CFC12 provides unmatched flexibility for Triple Play over any fiber or copper media. It supports the carrier-class capabilities of its larger brethren (Allied Telesis iMAP™ CFC56 and Allied Telesis iMAP™ CFC100) and adds the enhanced QoS capabilities found in the Allied Telesis 10G platform.

With six on-board GE ports, the iMAP CFC12 is ideally suited for delivering GbE services to any Enterprise or business location relying on last-mile fiber access. With advanced features including per VLAN rate limiting, the GE ports on the iMAP CFC12 module can be used as either a network interface for subtended remote locations or for point-to-point connectivity to a strategic business. This functionality is in addition to allowing the service provider to have up to three different service modules for delivering parallel business services or xTTH services.

### Specifications

#### Interface Specifications

Number of GbE ports: Six  
 Backplane capacity: Nx1Gbps  
 Physical design: Front access  
 4x SFP  
 2x 10/100/1000 RJ45

#### Port Specifications

Number of VLANs per port: 4095  
 Priority queues: Eight  
 Dropped packet counter  
 Full traffic classifier support  
 Full traffic classifier action support ARP Filtering  
 Egress Metering: 64kbps increment  
 Ingress Metering: 64kbps  
 Ingress Max Burst Size: 512k  
 Egress Max Burst Size: 512k

#### Protocols and Specifications

IEEE 802.1Q VLAN Bridging  
 IEEE 802.1p Prioritization  
 IETF RFC 1112 IP Multicasting/IGMP Snooping v1  
 IETF RFC 2236 IP Multicasting/IGMP Snooping v2  
 DHCP Relay Agent option 82 (RFC 3046)

#### Power Requirements

Maximum Power: 53W

#### Environmental Conditions

Operating Temp: -40°C to 65°C (-40°F to 149°F)  
 Storage Temp: -40°C to 75°C (-40°F to 167°F)  
 Relative Humidity: 5% to 95%, non-condensing

#### Regulatory Approvals

FCC Part 15 Class A/ANSI C63.4  
 EN 300 386 V1.3.1:2001-09/EN 55022:1998, Class A  
 VCCI Class A; ITE/ CISPR 22:1997 Class A  
 EN 300 386 V1.3.1:2001-09/EN 55022:1998, Class A  
 EN 300 386 V1.3.1:2001-09/EN 61000-4-3:1998  
 EN 300 386 V1.3.1:2001-09/EN 6100-4-6:1996  
 EN 300 386 V1.3.1:2001-09/EN 61000-4-4:1995  
 EN 300 386 V1.3.1:2001-09/EN 61000-4-5:1995  
 EN 300 386 V1.3.1:2001-09/EN 61000-4-2:1999  
 UL/cUL 60950: IEC60950  
 NEBS Level 3, GR-1089 Issue 3, GR63 Issue 2  
 USDA RUS

### Key Features

- ▶ SNMP management
- ▶ Fully functional CLI
- ▶ Inband management
- ▶ Out-of-band management
- ▶ Contact alarm management
- ▶ 6 GbE wirespeed ports
- ▶ SFP optics
- ▶ Support for Ethernet Protection Switched Ring (EPSRing™) 50ms resiliency
- ▶ Per VLAN rate limiting
- ▶ Hardened for OSP designs

#### Quality of Service

- ▶ Eight queues
- ▶ Strict priority scheduling
- ▶ VLAN stacking

#### Security

- ▶ Upstream forwarding only
- ▶ Extensive ACL support

#### Supported Services

- ▶ High-speed internet
- ▶ Business VPN
- ▶ VoIP
- ▶ IPTV
- ▶ Network element subtending

### Ordering Information

**iMAP CFC12**  
 CFC-12 12GbE Switch Control Module  
 Part number: AT-TN-408